

621.317

No. 11.

CATALOGUE

OF

EDISON

Electric Light Appliances.

MANUFACTURED BY

BERGMANN & Co.

Principal Office and Works:

292, 294, 296 & 298, AVENUE B,

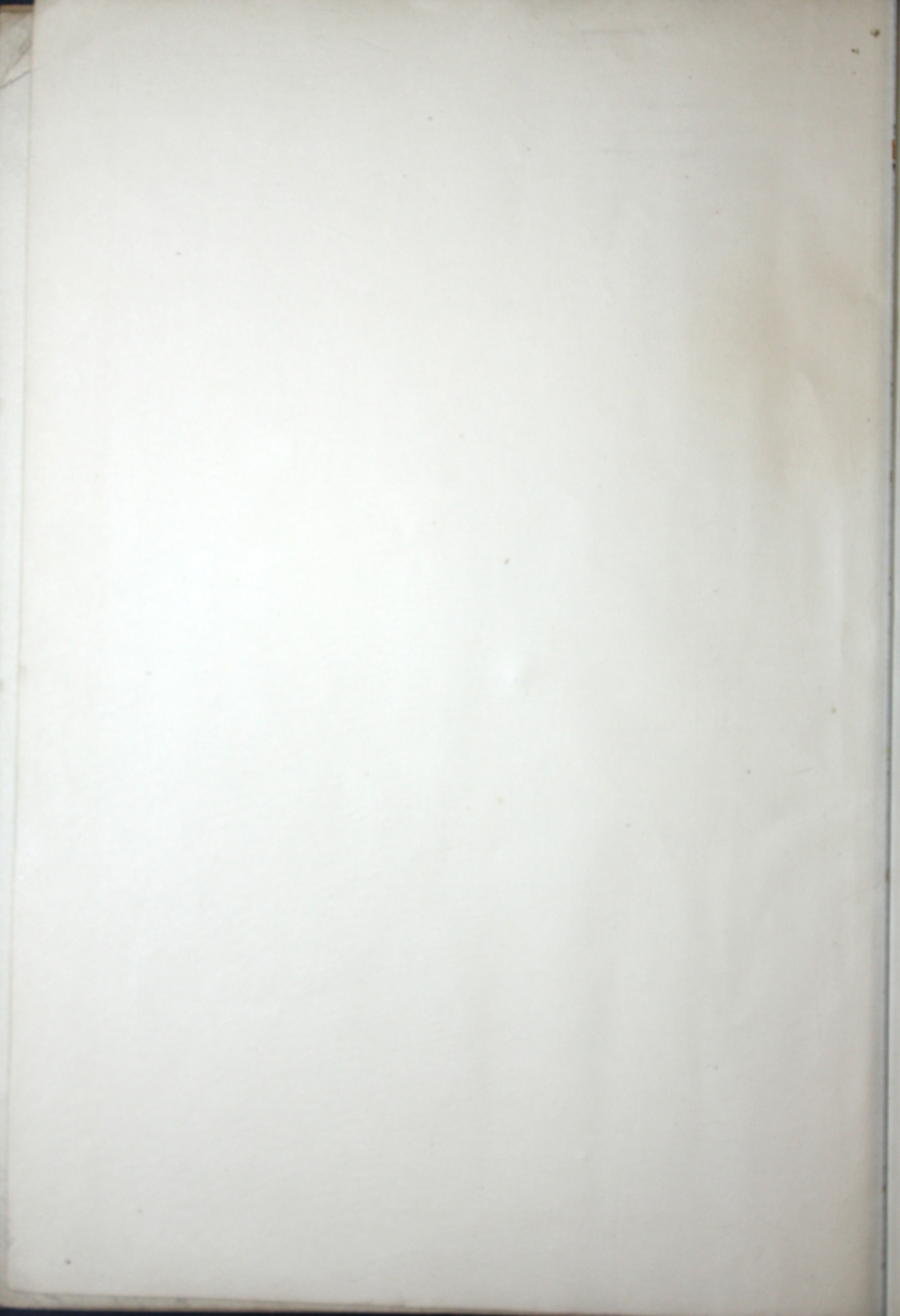
Annex Factory:

457, 459 & 461, FIRST AVENUE,

Fixture Show Rooms:

65, FIFTH AVENUE,

NEW YORK.



No. 11.

CATALOGUE AND PRICE LIST

OF

EDISON ELECTRIC LIGHT

APPLIANCES AND APPARATUS,

Sockets, Switches, Safety Cut-Outs,

HAND AND AUTOMATIC REGULATORS, PRESSURE INDICATORS, VOLT METERS,
AMPERE METERS, EDISON SYSTEM METERS AND SUPPLIES.

—ALSO—

Fine Electrical Instruments of all kinds.

THOMPSON REFLECTING GALVANOMETERS, WHEATSTONE BRIDGES, ETC., ETC.

Electric Bells, Wire and General Electrical Supplies.

MANUFACTURED BY

BERGMANN & CO.

PRINCIPAL OFFICE AND WORKS,

292, 294, 296 & 298 AVENUE B,

ANNEX FACTORY,

457, 459 & 461 FIRST AVE.,

NEW YORK, N. Y.

ENDORSEMENT.

THE EDISON ELECTRIC LIGHT COMPANY do not manufacture any Electrical Appliances, their only requirements from the manufacturers being that the goods shall conform to the rules of the Engineering Department of the Company, so as to protect the public against inferior and half-invented devices.

The goods in this Catalogue, manufactured by Bergmann & Co., conform to these requirements, and are reasonable in price.

T. A. EDISON.



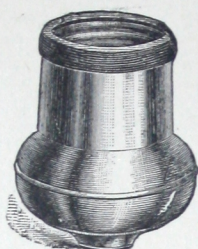
WE respectfully invite careful attention to the illustrations and prices of the appliances for the Edison Electric Light described in this Catalogue, and to the endorsement (on the opposite page) of our work by the inventor, Professor Thomas A. Edison.

Everything thus far devised, or which shall hereafter be devised, for use in connection with the Edison Light, has and will have the benefit of an experience of years in the manufacture of Professor Edison's various inventions, as well as of his own frequent personal supervision and advice. Exhaustive experiments have been made to determine the best method, form and arrangement for every device illustrated within, and, after thorough trial, only those proving the most reliable and economical have been adopted. All appliances are carefully examined and tested before leaving our establishment.

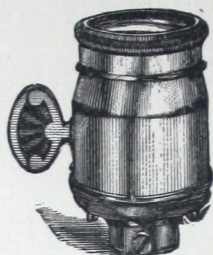
These goods are therefore offered in the confident belief that they will prove eminently satisfactory.

BERGMANN & CO.

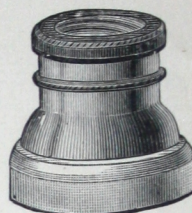
Patented Standard Sockets and Receptacles.



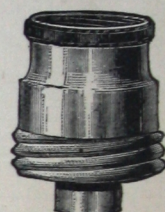
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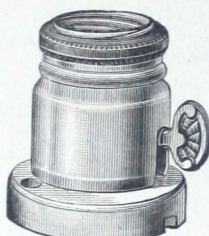
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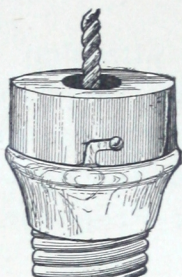
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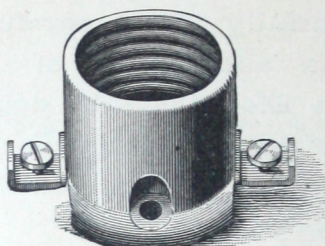
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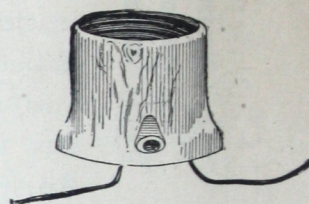
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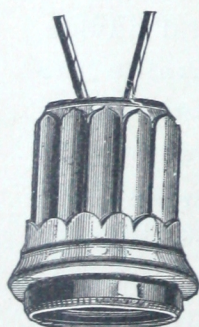
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No. 369.



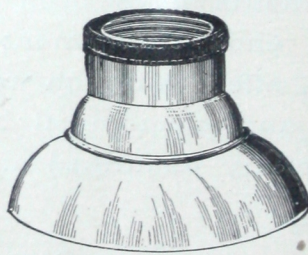
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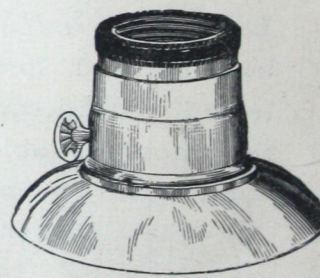
No. 367.



No. 667.



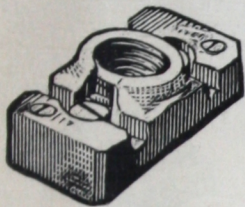
No. 3 1/2.



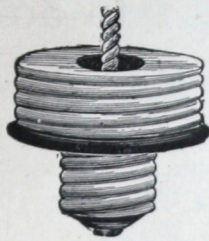
No. 8.

| | |
|---|--|
| No. 1—Standard Keyless Sockets, { 1/8 or 1/4. Plain, \$0 54 Polished Brass, - - \$0 60 | |
| " 6— " " " " { 3/8 " 50 " " - - 56 | |
| " 2—Standard Key " { 1/8 or 1/4 " 1 14 " " - - 1 20 | |
| " " { 3/8 " 1 10 " " - - 1 16 | |
| " 233—Wooden "Testing" Sockets (with Wires only for Connecting), - - - 31 | |
| " 234—Wooden Suspending Sockets for Flexible Pendants (with Screws for connecting) 44 | |
| " 3—Standard Keyless Receptacle, on Wood or Porcelain Base. Plain, 50c; Polished Brass, - - - - - 55 | |
| " 3 1/2—Fancy Keyless Receptacle. Polished Brass, - - - - - 75 | |
| " 7—Standard Key Receptacle, on Wood or Porcelain Base. Plain, \$1 10 Polished Brass, - - - - - 1 15 | |
| " 667—Improved Porcelain Waterproof Socket, with Soft Rubber Ring, - - - 75 | |
| " 668—Patent Shade Holder, 3 1/4 inch, for the above, - - - - - 33 | |
| " 8—Fancy Key Receptacle, - - - - - 1 35 | |
| " 367—Porcelain Waterproof Socket, - - - - - 40 | |
| " 369—Wood "Testing Socket," with outside screw connections; specially adapted for foot-lights, borders, etc., - - - - - 40 | |

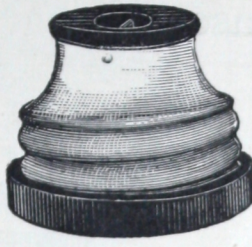
Patented Receptacles and Attaching Plugs, Etc.



No. V 68.



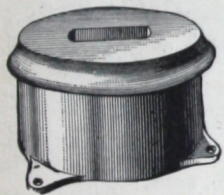
No. V 69.



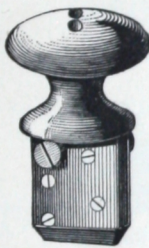
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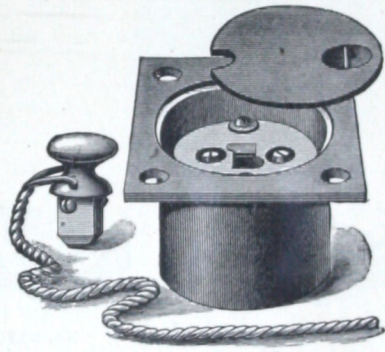
No. 231.



No. 126.

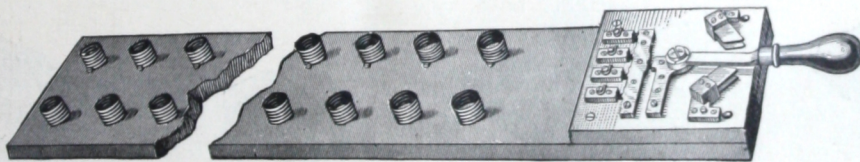


No. 127.



No. 432.

No. 426.



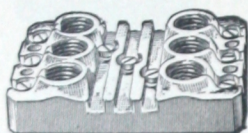
No. 1327.

| | | | |
|-----|--|---------------|--------------------|
| No. | 232—"Wedge" Receptacle (for portables), 1 Light, | Plain, \$0 58 | Pol. Brass, \$0 63 |
| " | 231—" Attaching Plug for same, | " 40 | " 42 |
| " | 126—" Receptacle, 1 to 15 Lights, | " 2 25 | " 2 50 |
| " | 127—" Attaching Plug for same, | " - | " 1 25 |
| " | V 68—Screw Contact Receptacle, | Plain \$0 46 | |
| " | V 69—Attaching Plug for V 69, 3, 7, etc., | " 35 | Pol. Brass, 38 |
| " | 1327—Test Bank of 50 Sockets, price including 3-wire Switch, as shown, | - | 25 00 |
| " | 1327—" " " " " 4-strip Simple Plug Switch, | - | 19 50 |
| " | 1327—" " " " " without any Switch, | - | 16 00 |

In ordering No. 1327 state whether with or without Switch. If with Switch, state what kind.

| | | | |
|----------|---|---|--------|
| No. 426. | Iron Stage Box and Receptacle, with Slate Insulation, | - | \$6 50 |
| " 432. | Wedge Attaching Plug for same, | - | 3 00 |

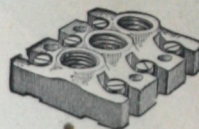
Patented Plug Cut-Outs, on Incombustible (Porcelain) Bases, Capacity, 1 to 30 Lights.



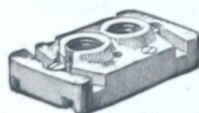
No. 2135.



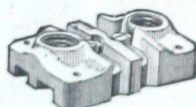
No. 2199.



No. 2165.



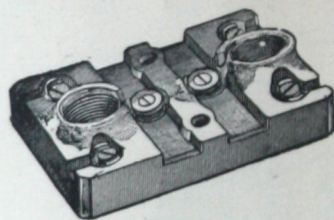
No. 2945.



No. 2935.



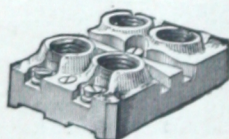
No. 181



No. 3935.



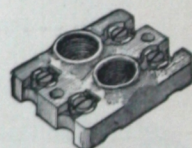
No. 1935.



No. 2587.



No. 2569.



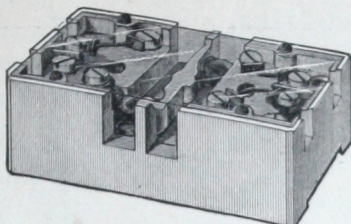
No. 2965.

| | |
|--|--------|
| No. 2965—Main Line Double Pole Cut-Out, for No. 181 Plugs, 1 to 30 Lights, each, | \$0 70 |
| “ 2935—Branch “ “ “ “ “ “ “ “ | 80 |
| “ 2945—Branch (Cleat) “ “ “ “ “ “ “ “ | 80 |
| “ 1935— “ “ “ “ “ “ “ “ with all surface connections. Specially adapted for Switch Board Work, 1 to 30 Lights, each, | 80 |
| “ 3935—Branch Double Pole Cut-Out, for No. 181 Plugs, with all surface connections and extra large Binding Screws for Mains, 1 to 30 Lights, each, | - 1 05 |
| “ 2587—Two-Branch Double Pole Cut-Out, for No. 181 Plugs, 1 to 30 Lights, each, | 1 35 |
| “ 2569—Single Pole Main Line or Pendant Cut-Out, for No. 181 Plugs, each, | - 46 |
| “ 2165—Three-Wire, Main Line Cut-Out, for No. 181 Plugs, 1 to 30 Lights, each, | - 1 00 |
| “ 2135— “ Branch “ “ “ “ “ “ | - 2 00 |
| “ 2199— “ Multiple-Arc “ “ “ “ “ “ | - 1 80 |
| “ 181—Safety Plugs to fit above, Glass ; 1 to 30 Lights, each, | - 13 |

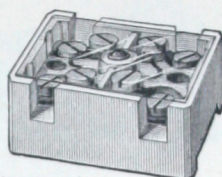
The above Cut-outs are designed to protect a circuit of not over 125 volts.

A perspective view of a rectangular box with a lid, showing internal compartments and drawers. The box is open, revealing several internal drawers and compartments, some of which contain small, dark, rounded objects. The box has a simple, functional design with a lid that fits snugly.

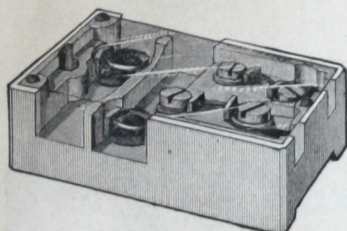
No. 1435.



No. 1487.



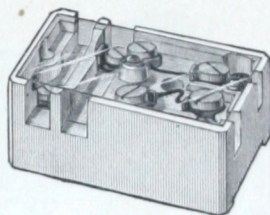
No. 1465.



No. 1835.



No. 1723.

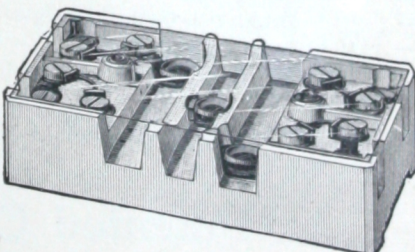


No. 2835.

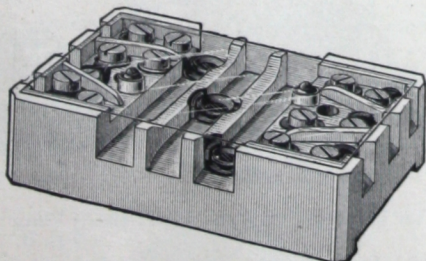


No. 1725.

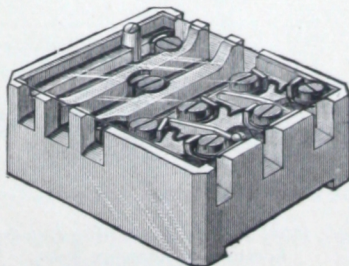
No. 1265.



No. 1299.



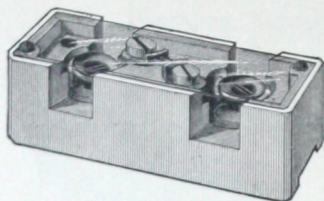
No. 1235.



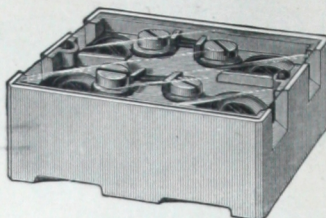
No. 2235.

The above Cut-outs and Safety Catch Links are designed to protect a circuit of not over 125 volts.

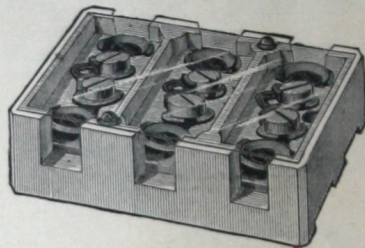
Patented Link Cut-Outs on Incombustible (Porcelain) Bases, and with Mica Covers.



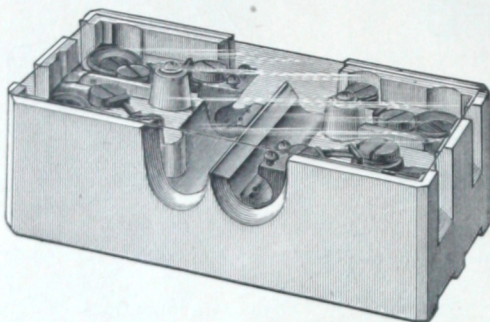
No. 1569.



No. 1565.



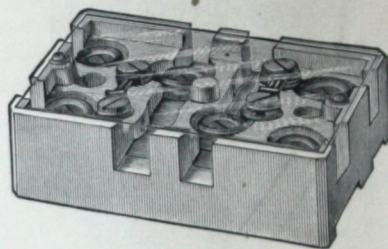
No. 1365.



No. 1587.



No. 1733.



No. 1535.

| | | | | | |
|-----------|--|---|---|---|--------|
| No. 1565— | Porcelain Main Line Double Pole Cut-Out, 1 to 125 Lights, 1 to 75 ampères, | - | - | - | \$1 65 |
| " 1365— | " Three-Wire Main Line " " " " " " " " " " | - | - | - | 2 25 |
| " 1569— | " Single Pole " " " " " " " " " " | - | - | - | 1 10 |
| " 1587— | " Double Pole Double Branch " " " " " " " " " " | - | - | - | 6 25 |
| " 1535— | " Branch Double Pole " " " " " " " " " " | - | - | - | 2 25 |
| " 1733— | Safety Catch Links, with Copper Terminals, for above, 50 to 125 Lights, 30 to 75 ampères, Price, each, | - | - | - | 16 |

The above Cut-Outs and Safety Catch Links are designed to protect a circuit of not over 125 volts.

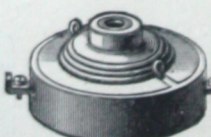
Patented Ceiling Cut-Outs.



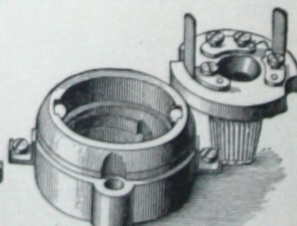
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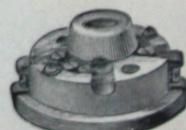
No. 150 1/2.



No. 150 3/4.



No. 397.



No. 497.

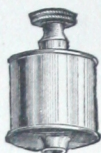
Nos. 150, 150 1/2 and 150 3/4—Ceiling Cut-Out Connecting Block, for Flexible Pendants, with Connections on Wooden Base, { Plain \$0 40
 { P. B. 45

No. 397—Porcelain Ceiling Cut-Out Connecting Block for Flexible Pendants, Price, including Safety Lead, 65¢

We call particular attention to this new Porcelain Pendant Safety Catch Block. It is designed to supersede No. 150, and is suitable for use in either dry or wet places, being so constructed that the moisture from the ceiling will drip from the block without getting at the inside contacts. Its outside contact pieces save making splices on the lines in order to connect the block. It has a detachable piece to which the silk cord is attached and the knot tied and in which the safety lead is inserted. This piece being placed in the block proper and given a quarter turn is securely locked and will not get loose. Connection is made between the two parts by sliding contacts which keep always bright and clean.

No. 497—Porcelain Ceiling Cut-Out Connecting Block for Flexible Pendants, Price, including Safety Lead, \$0 53

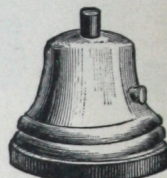
Patented Switches on Incombustible Bases.



No. 213.



No. 206.



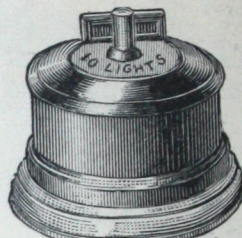
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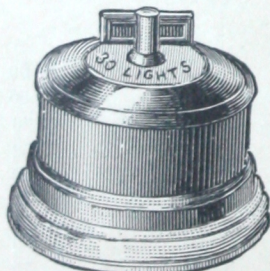
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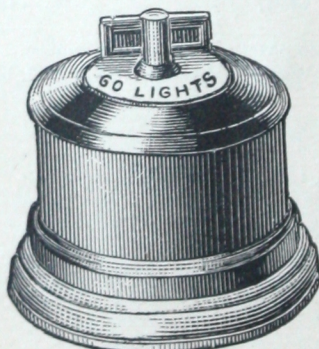
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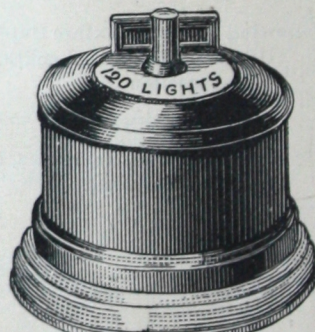
No. 511.



No. 513.



No. 514.

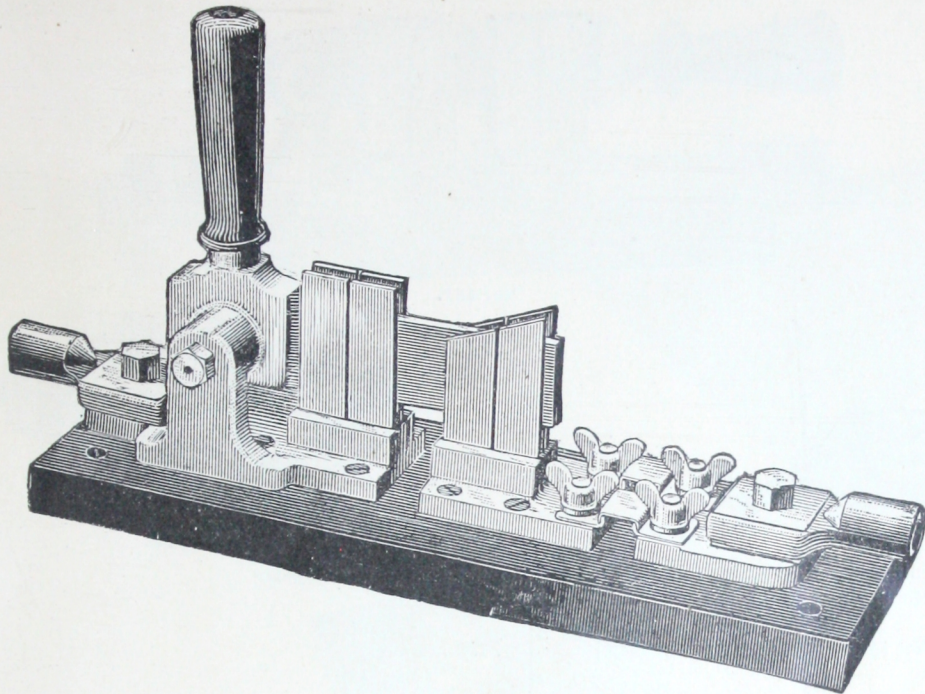


No. 516.

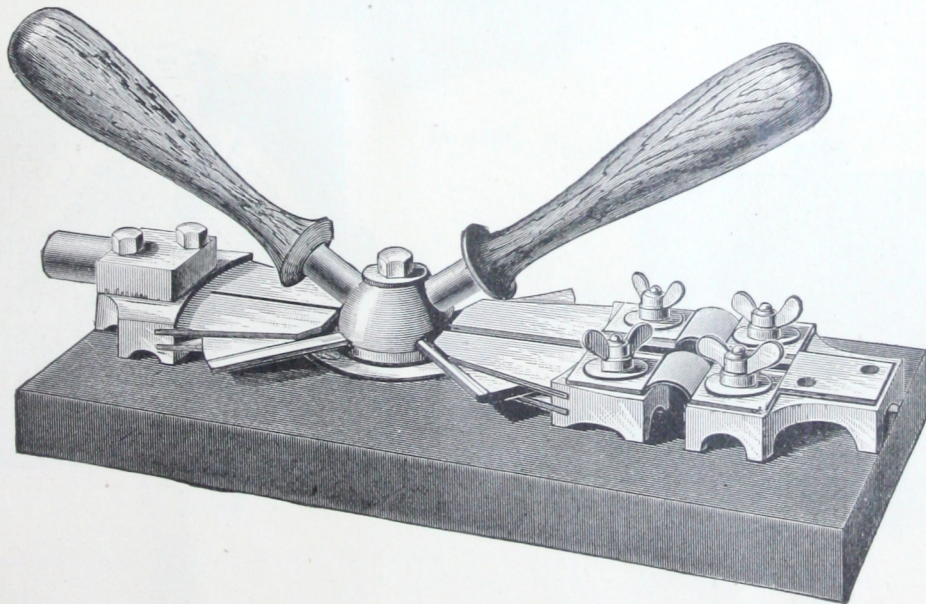
| | | | | | | | Plain. | Pol. Brass. |
|---------|-----------|---|---|---|--------|--|--------|-------------|
| No. 509 | —1 to 3 | Lights, Single Pole Switch ; capacity, 3 ampères, | - | - | \$1 40 | | \$1 50 | |
| " 503 | —1 to 3 | " Three-Wire " " 3 " | - | - | 1 70 | | 1 80 | |
| " 511 | —1 to 10 | " Double Pole " " 6 " | - | - | 2 35 | | 2 50 | |
| " 512 | —1 to 15 | " " " " 9 " | - | - | 3 00 | | 3 12 | |
| " 513 | —1 to 30 | " " " " 18 " | - | - | 4 30 | | 4 50 | |
| " 514 | —1 to 60 | " " " " 36 " | - | - | 6 25 | | 6 50 | |
| " 516 | —1 to 120 | " " " " 72 " | - | - | 10 40 | | 10 75 | |
| " 209 | —1 | Light Single Pole Push Button Switch, " 3 " | - | - | 1 05 | | 1 15 | |
| " 206 | —1 to 3 | " " " for cord, " 3 " | - | - | 1 05 | | 1 15 | |
| " 206½ | —1 to 10 | Lights Pole Push Button Switch, for cord, not illustrated ; capacity, 6 ampères, | - | - | 2 10 | | 2 30 | |
| No. 213 | —3 | Lights Single Pole Electrolier Switch, for turning lights on or off consecutively | - | - | 4 80 | | 5 10 | |

The above Switches are designed to break a current not over 125 volts.

Feeder Switches, on Slate Bases.



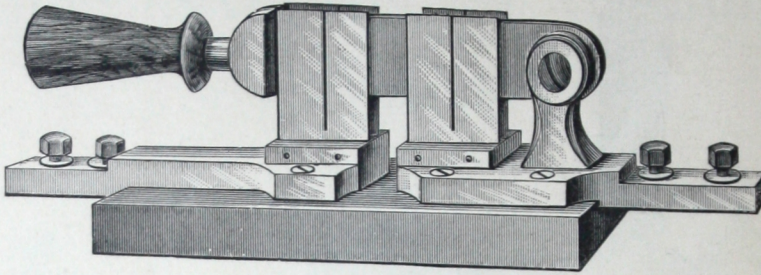
No. 424.



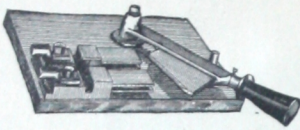
No. 427.

| | | | |
|--|---|---|---------|
| No. 424—Feeder Switch, with Safety Catch Holder, capacity, 400 ampères, | - | - | \$33 00 |
| “ “ “ “ “ 600 “ | - | - | 36 00 |
| No. 423—Feeder Switch, like 424, but without Safety Catch Holder; capacity, 400 ampères, | - | - | 30 00 |
| Feeder Switch, like 424, but without Safety Catch Holder; capacity, 600 ampères, | - | - | 33 00 |
| No. 427—Feeder Switch, with Safety Catch Holder; capacity, 500 ampères, | - | - | 35 00 |
| “ 428— “ “ like 427, but without Safety Catch Holder; capacity, 500 ampères, | - | - | 32 00 |

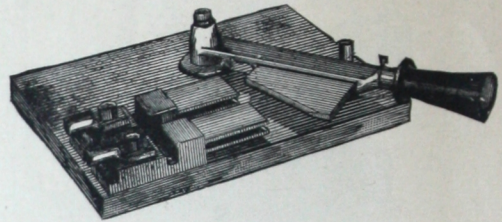
Feeder Switches.



No. 431.



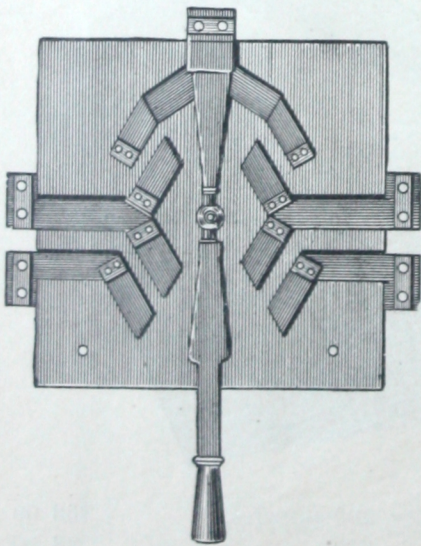
No. 421.



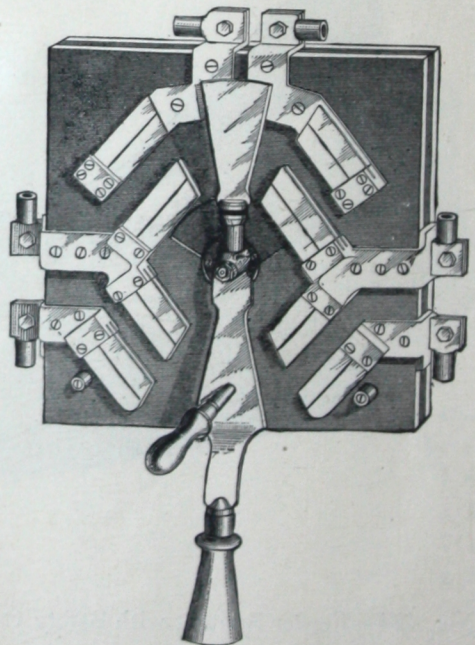
No. 121.

| | |
|--|---------|
| No. 431—Knife Edge, Feeder Switch; Slate Insulation; capacity, 500 ampères | \$38 00 |
| " 121—Feeder Switch; capacity, 400 ampères, | 28 75 |
| " 421—" " 200 " " | 20 00 |
| " 422—(Not illustrated.) Feeder Switch; capacity, 100 ampères, | 16 00 |

Lever Switches.



No. V 65.

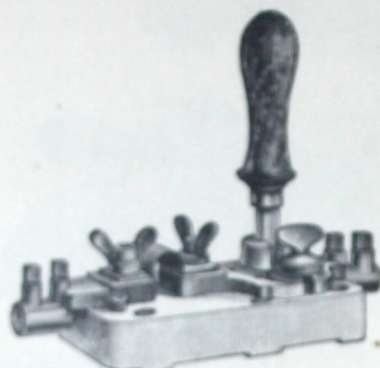


No. 1729.

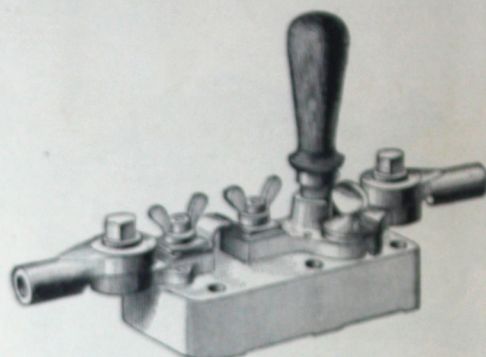
Dynamo Changing Switches.

| | |
|--|---------|
| No. V 65—Three-Wire Dynamo Changing Switch; capacity, 300 ampères, | \$44 00 |
| " " " " " " " " 400 " " | 52 50 |
| " 1729—Two-Wire " " " " 300 " " | 48 00 |
| " 1729—" " " " 400 " " | 57 00 |
| " 1729—" " " " 600 " " | 85 00 |

Feeder Plug Switches, Safety Catch Holders, etc.



No. V 89.



No. 789.



No. 1715.



No. 764.



No. V 64.



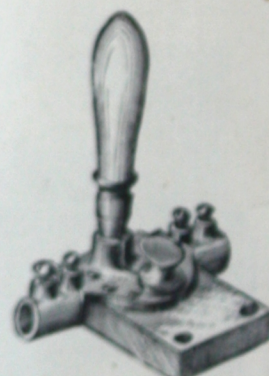
No. 1721.



No. 990.



No. 788.

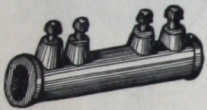


No. V 17.

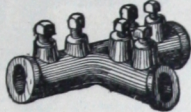
| | | | | | | | | | |
|--|----------|---|---|---------------|------------|-------------|---------|--|--------|
| No. V 89—Feeder Plug Switch and Safety Catch Holder, $\frac{1}{4}$ inch Plug, on Porcelain Base, | | | | | | | | | \$5 50 |
| " V 89— | " | " | " | $\frac{1}{4}$ | " | Wooden | " | | 5 00 |
| " 789— | " | " | " | $\frac{1}{4}$ | " | Porcelain | " | | 6 50 |
| " 789— | " | " | " | $\frac{1}{4}$ | " | Wooden | " | | 6 00 |
| " V 64—Safety Catch Holder, on Porcelain Base, | | | | | | | | | |
| " V 64— | " | " | " | | | Wooden | " | | 2 65 |
| " 764— | " | " | " | | | Porcelain | " | | 2 40 |
| " 764— | " | " | " | | | Wooden | " | | 2 65 |
| " V 17—Plug Switch, on Porcelain Base, $\frac{1}{4}$ inch Plug, | | | | | | | | | 3 40 |
| " V 17— | " | " | " | | | Wooden | " | | 3 00 |
| " V 17— | " | " | " | | | Porcelain | " | | 2 65 |
| " V 17— | " | " | " | | | Wooden | " | | 3 50 |
| " 788—Triple Plug Switch, on Slate Base; capacity, 600 amperes, | | | | | | | | | 3 15 |
| " 1715— } Flat Safety Catches } | Ampires, | | | | | | | | 18 00 |
| " 1721— } with Copper Ends, } | Price, | | | | | | | | |
| | | | | Up to 25. | 25 to 300. | 300 to 375. | 400 up. | | |
| | | | | 18c. | 21c. | 24c. | 28c. | | |

The above Safety Catches are designed to protect a circuit not over 125 volts.

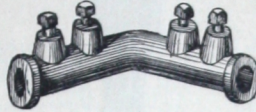
Safety Catch Holders, Pole Line Connections, Lugs, Etc.



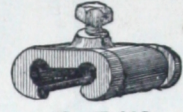
No. V 111.



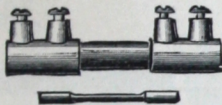
No. V 108.



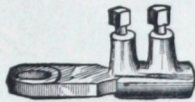
No. V 109.



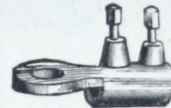
No. V 110.



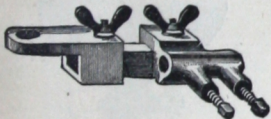
No. 1701.



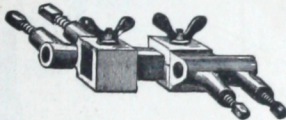
No. 1707.



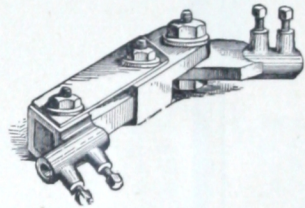
No. 1713.



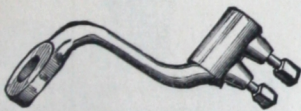
No. 1703.



No. 1705.



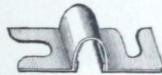
No. 1033.



No. 1711.



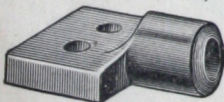
No. 1715.



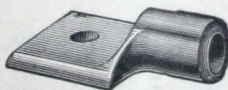
No. 1721.



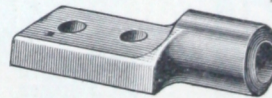
No. 1709.



No. 857.



No. 858.

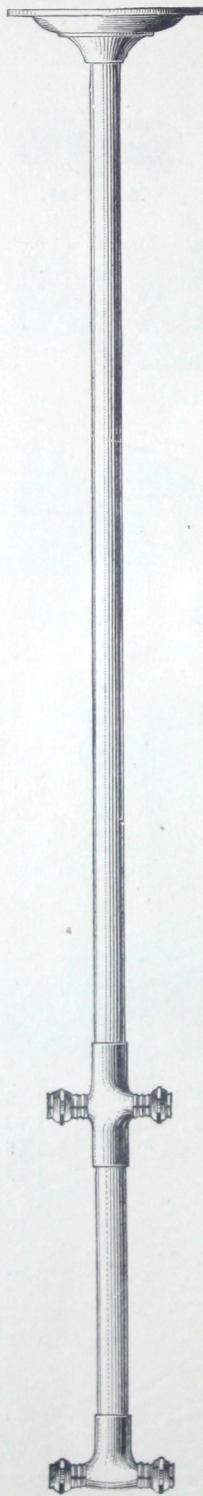


No. 859.

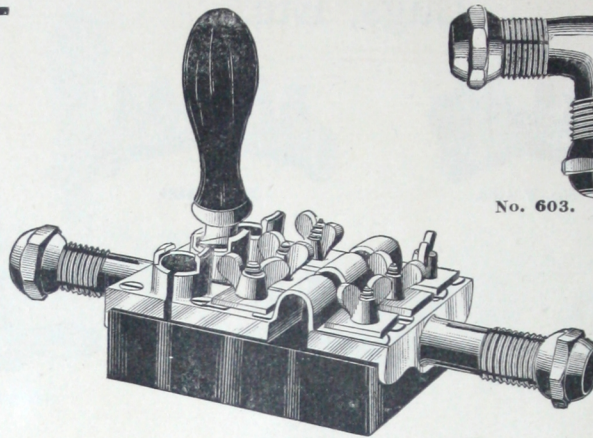
| | | | | | | | | |
|-----|--|---|---|--------|-----------|---|---|----------|
| No. | 857—Feeder Lug ; capacity, 600 ampères. Plain, | - | - | \$1 00 | Polished, | - | - | \$1 25 |
| " | 858— " " " 400 " " " " " " " " " " | - | - | 75 | " | - | - | 1 00 |
| " | 859— " " " 600 " " " " " " " " " " | - | - | 80 | " | - | - | 1 05 |
| " | V 108—Tee Connection, Size for 1/2 inch Wire, \$1 15; Size for 5/8 inch Wire, | - | - | - | - | - | - | 1 26 |
| " | V 109—Elbow " " 1/2 " " 1 00; " 5/8 " " " " " " " " " " | - | - | - | - | - | - | 1 12 |
| " | V 111—Straight " " 1/2 " " 88; " 5/8 " " " " " " " " " " | - | - | - | - | - | - | 98 |
| " | V 110—Wedge Screw, " 1/2 " " 60; | - | - | - | - | - | - | - |
| " | 1033—Safety Catch Holder. Price as shown (without Safety Catch), | - | - | - | - | - | - | 3 30 |
| " | 1701—Pressure Wire Safety Catch Holder, with Safety Catch, | - | - | - | - | - | - | 60 |
| " | 1703 } Safety Catch Holder. Price of either as shown, | - | - | - | - | - | - | 1 90 |
| " | 1705 } | - | - | - | - | - | - | 70 |
| " | 1707—Arm for Safety Catch Holder. Price as shown, | - | - | - | - | - | - | 97 |
| " | 1711— " " " " " " " " " " " " " " | - | - | - | - | - | - | 77 |
| " | 1713— " " " " " " " " " " " " " " | - | - | - | - | - | - | 50 to 70 |
| " | 1709—Bolt, Nut and Washer for above, as shown, according to length, Composition, | - | - | - | - | - | - | - |
| " | 1715 } Flat Safety Catches { Ampères. Up to 25. 25 to 300. 300 to 375. 400 up. | - | - | - | - | - | - | - |
| " | 1721 } with Copper Ends, { Price, 18c. 21c. 24c. 28c. | - | - | - | - | - | - | - |

The above Safety Catches are designed to protect a circuit not over 125 volts.

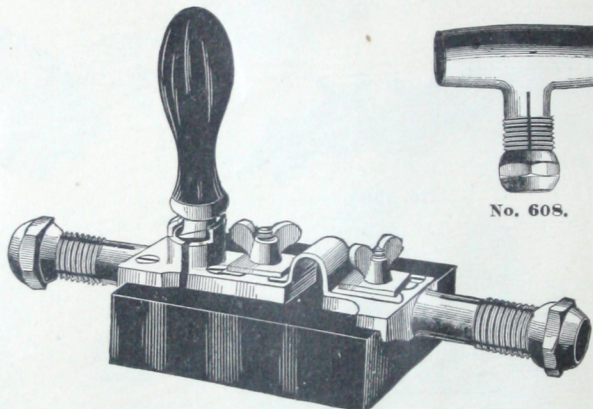
Patented Connections for Heavy Conductors for Central Stations, Etc.



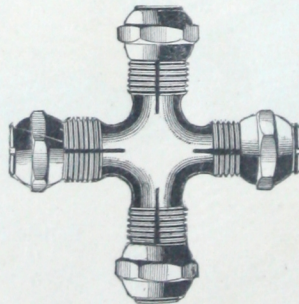
No. 621.



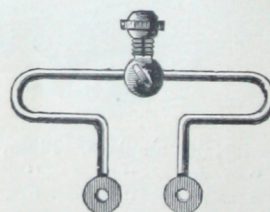
No. 643.



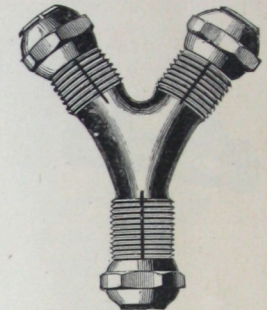
No. 642.



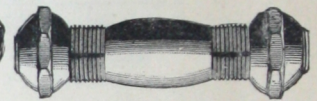
No. 604.



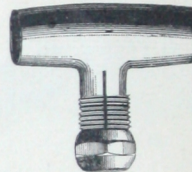
No. 631.



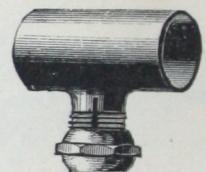
No. 607.



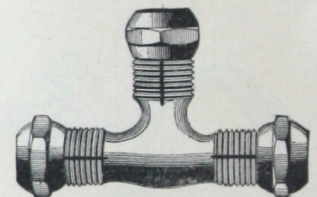
No. 606.



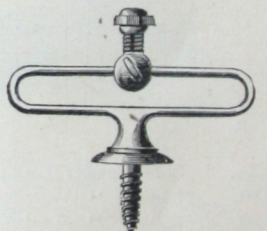
No. 608.



No. 651.



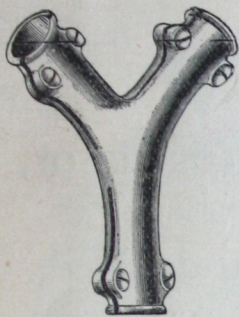
No. 602.



No. 632.

| | | | | | |
|---|---|---|---|---------------------------------|--------------------------------|
| No. 602 — "T" Connection | - | - | - | for $\frac{3}{16}$ Rod, \$3 50, | for $1\frac{1}{8}$ Rod, \$8 80 |
| " 603 — "L" " | - | - | - | " 2 50, | " 6 30 |
| " 604 — "Cross" " | - | - | - | " 4 20, | " 10 50 |
| " 606 — "Straight" " | - | - | - | " 2 10, | " 5 30 |
| " 607 — "Y" " | - | - | - | " 3 50, | " 8 80 |
| " 631 — Field Wire Connectors, | - | - | - | - | 1 80 |
| " 632 — " " | - | - | - | - | 1 80 |
| " 621 — Oak Hanger with Metal Connectors as shown, | - | - | - | - | 30 00 |
| " 651 — "T" Connection for $\frac{3}{16}$ Rod x $1\frac{1}{8}$, | - | - | - | - | 2 10 |
| " 608 — "T" Connection for $\frac{3}{16}$ Rod x $\frac{9}{16}$, | - | - | - | - | 2 10 |
| " 642 — Single Lock Plug Switch and Safety Catch Holder, for $\frac{3}{16}$ Rod, Price including one Plug, without Safety Catch Slip, | - | - | - | - | 8 75 |
| " 643 — Triple Lock Plug Switch and safety Catch Holder, for $\frac{3}{16}$ Rod, Price including two Plugs, without Safety Catch Slips, | - | - | - | - | 12 50 |
| Extra Plugs for Nos. 641, 642 or 643, each, | - | - | - | - | 1 50 |

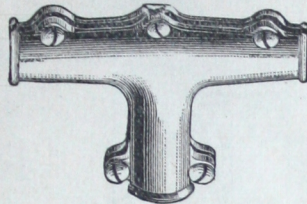
Clamp Connections for Heavy Conductors for Central Stations, Etc.



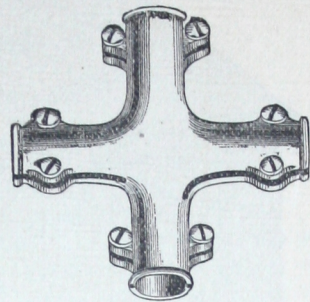
No. 707.



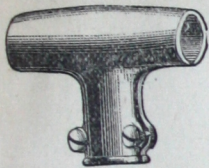
No. 706.



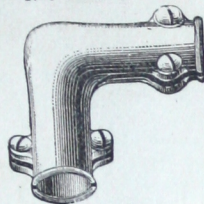
No. 702.



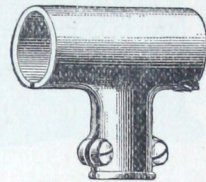
No. 704.



No. 708.



No. 703.

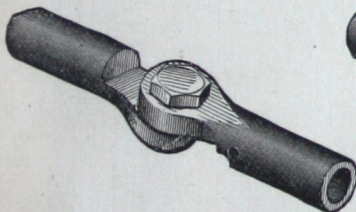


No. 751.

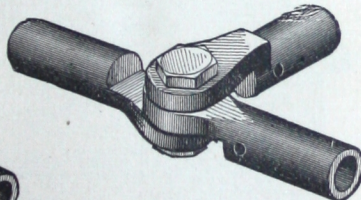
| Plain. | Pol. | Brass. |
|--------|------|--------|
| \$1 45 | | \$1 85 |
| 1 25 | | 1 60 |
| 2 20 | | 2 70 |
| 1 10 | | 1 40 |
| 1 15 | | 1 55 |
| 1 20 | | 1 55 |
| 1 20 | | 1 55 |

| | | | | | | | | | |
|-------------------------|-----------------------------|---|---|---|---|---|---|---|---|
| No. 702—"T" Connection. | Size for $\frac{1}{8}$ Rod, | - | - | - | - | - | - | - | - |
| " 703—"L" " | " " | - | - | - | - | - | - | - | - |
| " 704—"Cross" " | " " | - | - | - | - | - | - | - | - |
| " 706—"Straight" " | " " | - | - | - | - | - | - | - | - |
| " 707—"Y" " | " " | - | - | - | - | - | - | - | - |
| " 751—"T" " | " " | - | - | - | - | - | - | - | - |
| " 708—"T" " | " " | - | - | - | - | - | - | - | - |

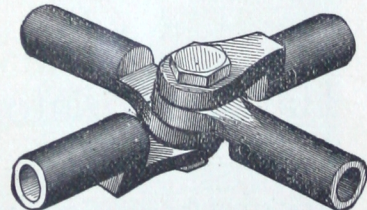
Prices of other sizes furnished on application.



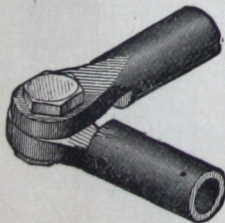
No. 816.



No. 812.



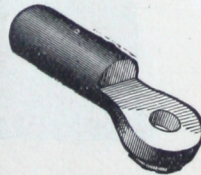
No. 814.



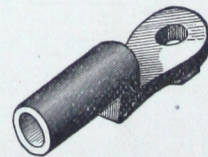
No. 813.



No. 819.

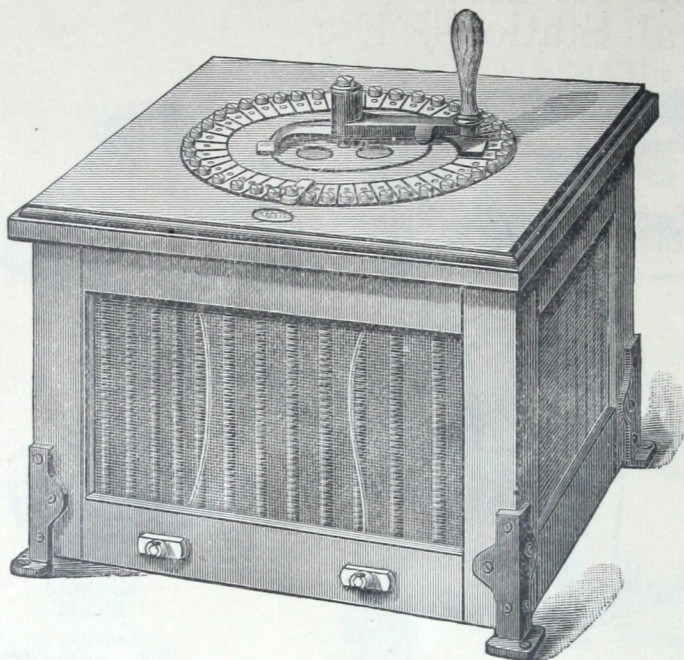


No. 817.



No. 818.

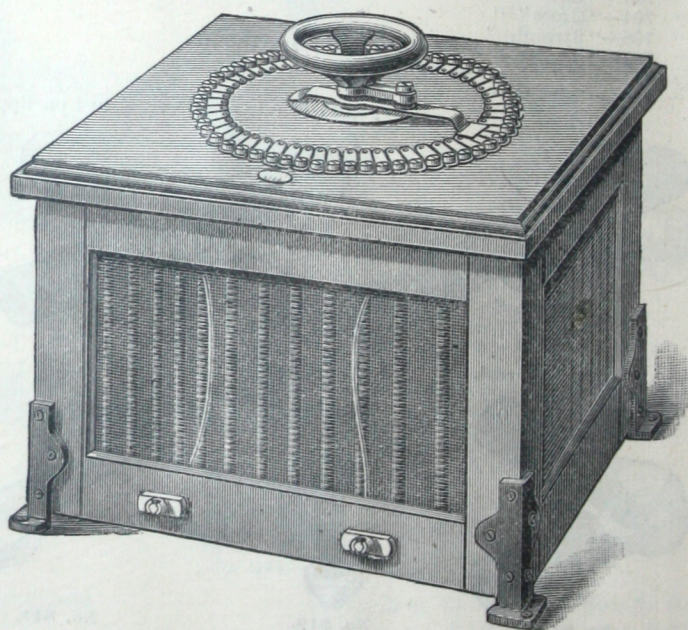
| | Size A to $\frac{1}{4}$ in. | | Size B to $\frac{3}{8}$ in. | | Size C to $\frac{1}{2}$ in. | | Size D to $\frac{5}{8}$ in. | | Size E to $\frac{3}{4}$ in. | |
|--|--------------------------------|------|--------------------------------|------|--------------------------------|------|--------------------------------|------|--------------------------------|------|
| | Tin- ned. | Pol. | Tin- ned. | Pol. | Tin- ned. | Pol. | Tin- ned. | Pol. | Tin- ned. | Pol. |
| No. 814—"Cross" Connection..... | 1 31 | 1 53 | 1 60 | 1 94 | 1 96 | 2 46 | 2 88 | 3 58 | 4 07 | 5 01 |
| " 812—"T" or "Y" " | 99 | 1 15 | 1 22 | 1 47 | 1 48 | 1 85 | 2 19 | 2 71 | 3 06 | 3 76 |
| " 816—"Straight" " | 67 | 77 | 84 | 1 00 | 1 00 | 1 24 | 1 50 | 1 84 | 2 05 | 2 51 |
| " 813—"L" or "V" " | 67 | 77 | 84 | 1 00 | 1 00 | 1 24 | 1 50 | 1 84 | 2 05 | 2 51 |
| " 817—Part for " | 26 | 31 | 30 | 38 | 38 | 50 | 55 | 72 | 82 | 1 05 |
| " 818—" " | 30 | 36 | 35 | 44 | 45 | 58 | 65 | 83 | 96 | 1 20 |
| " 819—Bright Iron Bolts and Nut for Connections accord- ing to lengths and sizes | For 2 Parts | | | 24 | | 24 | | 40 | | 41 |
| | " 3 " | 17 | | 27 | | 27 | | 44 | | 46 |
| | " 4 " | 19 | | 30 | | 30 | | 48 | | 51 |



No. 118.

Hand Regulator, OR Resistance Box.

"Isolated" style.



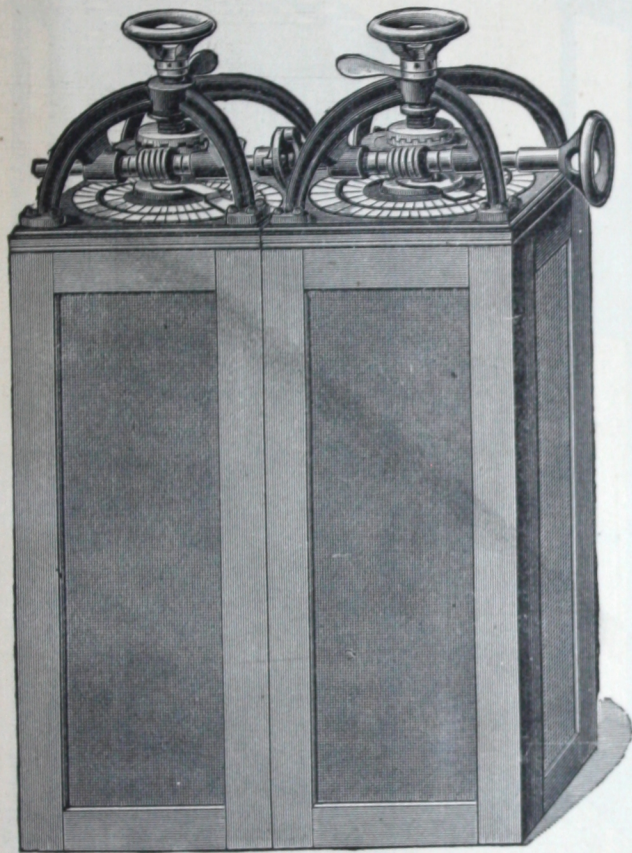
No. 119.

Hand Regulator, OR Resistance Box.

"Central Station" style.

| Hand Regulator for 1 No. 1 Dynamo | | | | No. 118. | No. 119. |
|-----------------------------------|-------|------|---|----------|----------|
| " | " 1 " | 2 " | " | \$26 00 | " |
| " | " 1 " | 3 " | " | 29 50 | " |
| " | " 1 " | 4 " | " | 29 50 | " |
| " | " 1 " | 6 " | " | 33 00 | \$44 50 |
| " | " 1 " | 8 " | " | 29 50 | 42 00 |
| " | " 1 " | 10 " | " | 33 00 | 44 50 |
| " | " 1 " | 12 " | " | 33 00 | 44 50 |
| " | " 1 " | 16 " | " | 38 50 | 50 00 |
| " | " 1 " | 20 " | " | 38 50 | 50 00 |
| " | " 1 " | 32 " | " | 46 50 | 58 00 |
| | | | | | 68 00 |

Central Station Hand Regulators.

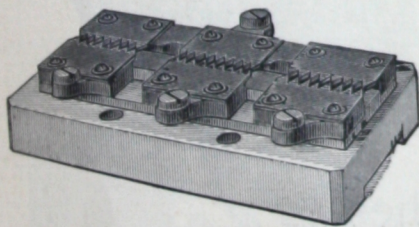


No. 1019.

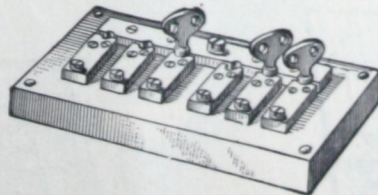
| | | |
|--------------------------------|-------|---------|
| No. 1019.—Hand Regulator with | | |
| Hand Wheel only, without Gear- | | |
| ing, Cabinet Finish Mahogany, | | |
| for No. 8 Dynamo, | - - - | \$49 00 |
| Same, for No. 10 Dynamo, | - - - | 49 00 |
| " " " 12 " | - - - | 55 00 |
| " " " 16 " | - - - | 55 00 |
| " " " 20 " | - - - | 64 00 |
| " " " 32 " | - - - | 75 00 |

Worm Gears as shown in cut for the purpose of connecting two or more Regulators so that they may be operated together or independently.

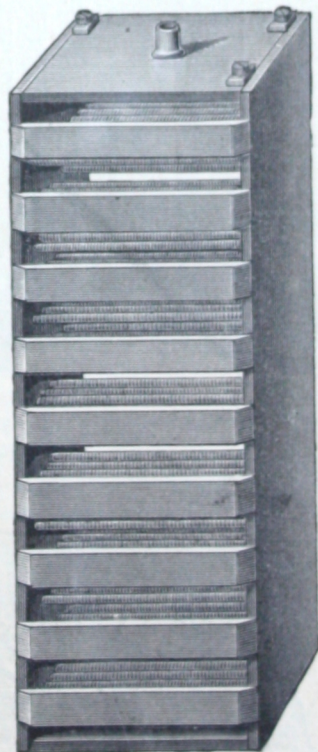
Each, - - - - - \$62 00



No. 1101.



No. 1031.



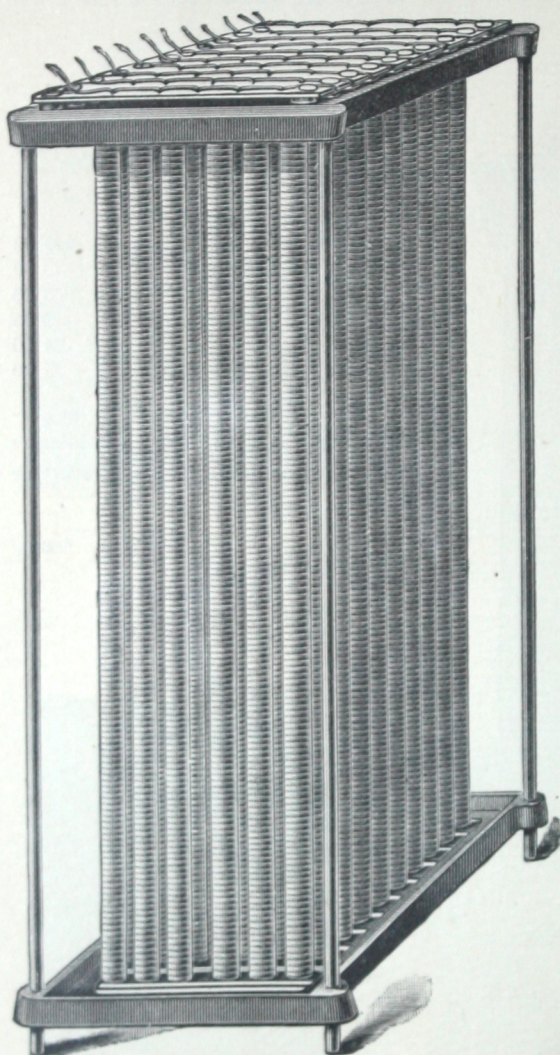
No. 100.

No. 1101—Lightning Arrester on Porcelain Base, - - - - - \$3 75

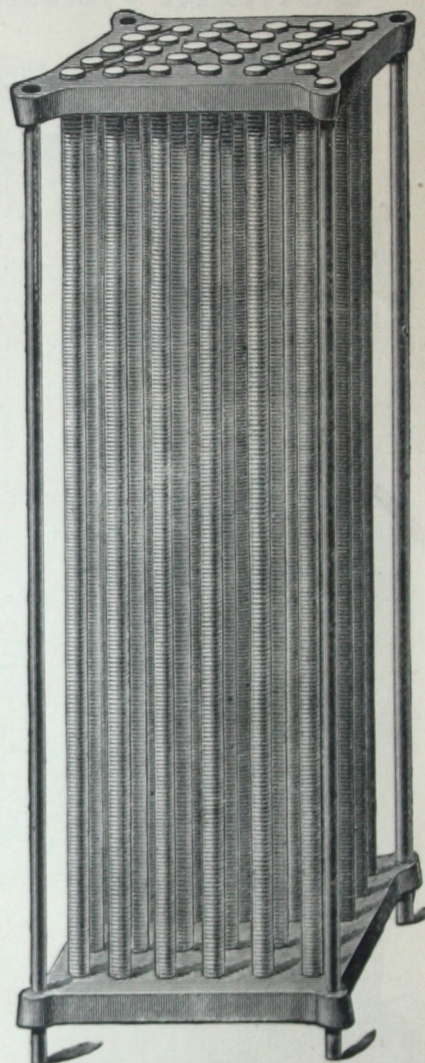
No. 100—Resistance for Lightning Arrester. Price of Lightning Arrester complete, 3 Boxes, as shown, @ \$14.70 each, - - - - - \$44 10

" 1031—6-Strip Plug Switch for Lightning Arrester, - - - - - 7 70

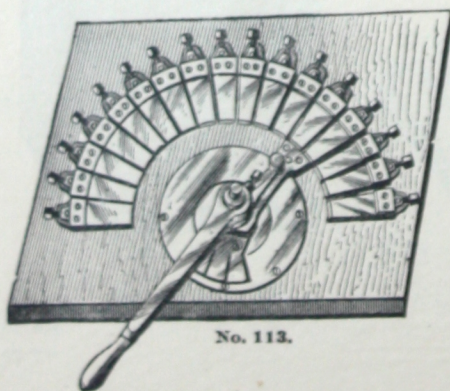
Fire-Proof Equalizer and Stage Regulator.



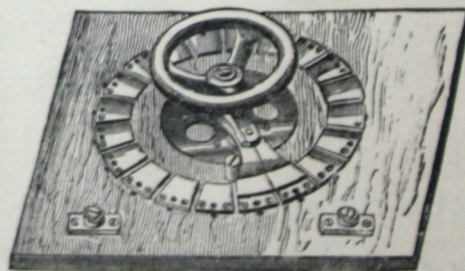
No. 441.

No. 442 A.
No. 442 B.

Equalizer Switches.

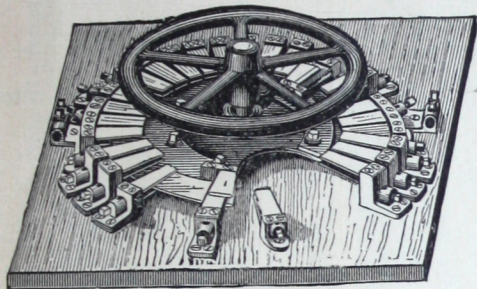


No. 113.

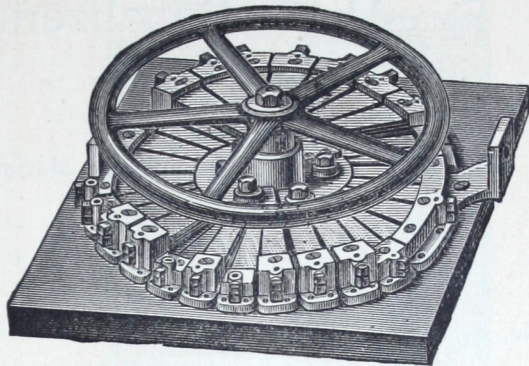


No. 113 1/2.

Equalizer Switches.

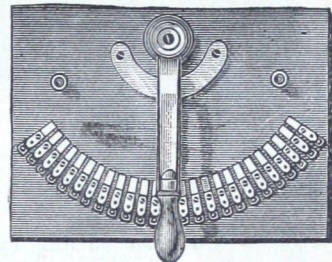


No. 122 A and B.

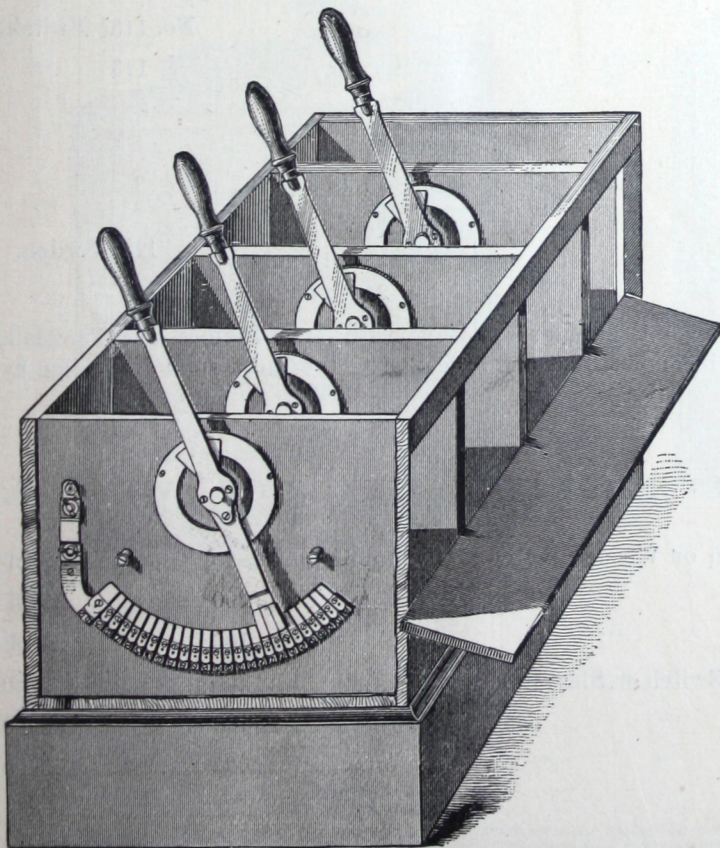


No. 122 C.

No. 128—Stage Regulator Switch, mounted on Wooden Base,
capacity 100 ampères, - - - - - \$35 00



No. 128.



No. 128 Mounted for Stage Regulation

This cut illustrates No. 128 Switch mounted for Stage Regulation. This arrangement of Switches will be found very serviceable wherever it is desired to group the Switches together, the boxes containing the resistance being elsewhere, or attached to the Switch. The Switches can be worked singly or locked together at will.

Additional charges for the above arrangement are as follows :

| | |
|--------------------------|---------|
| Three Switches together, | |
| additional, - - - | \$30 00 |
| Four Switches together, | |
| additional, - - - | 40 00 |
| Five Switches together, | |
| additional, - - - | 50 00 |
| Six Switches together, | |
| additional, - - - | 60 00 |

Fire-Proof Equalizers and Stage Regulators.

No. 441—Size of Frame, 18 x 24 x 70.

| | | | | | | | | | |
|--|---|-----|---|---|---|------|--|--|------------------------|
| Maximum Capacity, 100 ampères ; Maximum Resistance, 3.28 | | | | | | | | | |
| " | " | 200 | " | " | " | 1.44 | | | 122A, Compound Switch. |
| " | " | 300 | " | " | " | .76 | | | |
| " | " | 400 | " | " | " | .58 | | | 122B, " " |

No. 442B—Size of Frame, 24 x 24 x 70.

| | | | | | | | | | |
|--|---|-----|---|---|---|------|--|--|------------------------|
| Maximum Capacity, 100 ampères ; Maximum Resistance, 3.28 | | | | | | | | | |
| " | " | 200 | " | " | " | 1.44 | | | 122A, Compound Switch. |
| " | " | 300 | " | " | " | .76 | | | |
| " | " | 400 | " | " | " | .58 | | | 122B, " " |
| " | " | 500 | " | " | " | .44 | | | |
| " | " | 600 | " | " | " | .38 | | | 122C, " " |

No. 442A—Size of Frame, 18 x 18 x 60, for use only with Series Switches.

| | | | | | | | |
|-------------------|---|---|---|---|---|---|------------------|
| Up to 75 ampères, | - | - | - | - | - | - | No. 113½ Switch. |
| " 200 | " | - | - | - | - | - | " 113 " |

Sizes of Stage Regulators.

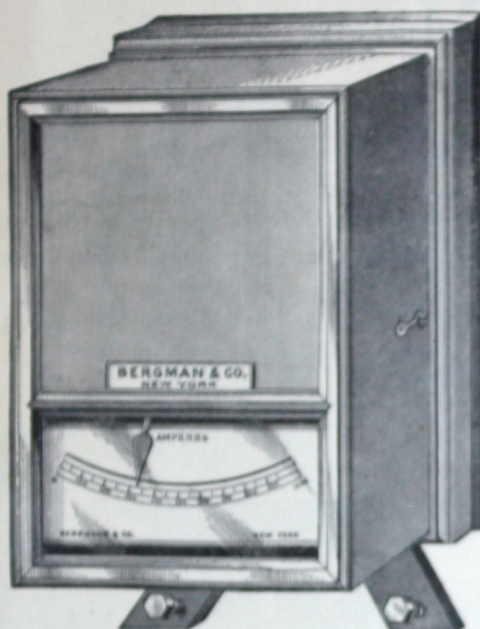
| | | | | | | | | | |
|-----------|---|------------------|---|---|---|---|--------------|--|-----------------|
| No. 442A | { | Up to 25 Lights, | - | - | - | - | 18 x 18 x 48 | | |
| | | " 50 | " | - | - | - | 18 x 18 x 50 | | |
| | | " 100 | " | - | - | - | 18 x 18 x 60 | | No. 128 Switch. |
| No. 442B— | " | 150 | " | - | - | - | 24 x 24 x 50 | | |

The above Equalizers and Stage Regulators are made with Iron Frames and Porcelain Insulation. They are absolutely incombustible and have passed the most rigid inspection by the Board of Fire Underwriters.

Prices of Equalizer and Stage Regulator Switches.

| | | | | | | | |
|---|---|-----|---|--|--|--|---------|
| No. 113½—Series Equalizer Switch on Wooden Base ; Maximum Capacity, 75 ampères, | | | | | | | \$17 50 |
| " 113 — " " " " " " | " | 200 | " | | | | 35 00 |
| " 128 —Stage Regulator " " " " | " | 100 | " | | | | 35 00 |
| " 122A—Compound Equalizer Switch on Slate Base ; | " | 200 | " | | | | 100 00 |
| " 122B— " " " " " | " | 400 | " | | | | 125 00 |
| " 122C— " " " " " | " | 600 | " | | | | 150 00 |

Ampère Meters.



No. 508.



No. 467.



No. 377.



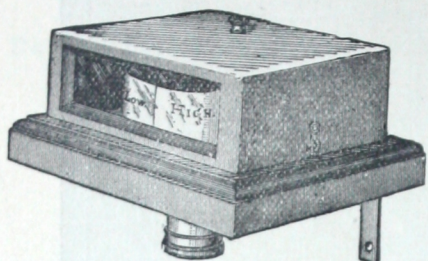
No. 466.

| | | | | |
|--|-----|--------|--------------------|---------|
| | No. | 1, for | 20 Amperes, Price, | \$19 00 |
| | " | 2, " | 40 " " | 19 00 |
| | " | 3, " | 60 " " | 19 00 |
| | " | 4, " | 80 " " | 20 25 |
| | " | 5, " | 120 " " | 20 00 |
| | " | 6, " | 160 " " | 21 40 |
| | " | 8, " | 200 " " | 22 00 |
| No. 377—Pendulum Ampère Meter | " | 10, " | 240 " " | 22 00 |
| | " | 12, " | 240 " " | 23 00 |
| | " | 16, " | 320 " " | 23 00 |
| | " | 20, " | 400 " " | 25 00 |
| | " | 25, " | 500 " " | 30 00 |
| | " | 30, " | 600 " " | 35 00 |
| | " | 50, " | 1,000 " " | 80 00 |
| No. 508—Pendulum Ampère Meter | " | 75, " | 1,500 " " | 94 50 |
| | " | 100, " | 2,000 " " | 117 00 |
| No. 467—Neutral Ampère Meter, Pendulum Style, with attachment for indicating direction of current passing through, and with short circuiting device; scale reads up to 100 amperes; carrying capacity 300 amperes. Price. | | | | |
| Single Scale reading from 1-100. | | | | 30 00 |
| No. 466—Direct Reading Pendulum Volt Meter, Single Scale reading from 1-100. | | | | |
| Double " " " 1-200. | | | | 75 00 |
| Triple " " " 1-300. | | | | 90 00 |

No. 467.—Neutral Ampere Meter, Pendulum Style, with attachment for indicating direction of current passing through, and with short circuiting device; scale reads up to 100 amperes; carrying capacity 300 amperes. Price, \$1.00.

| | | | | | | | | | | |
|--|----|----|----|--------|----|----|----|----|----|-------|
| No. 406—Direct Reading Pendulum Volt Meter, Single Scale reading from 1-100. | | | | | | | | | | 95 00 |
| 11 | 11 | 11 | 11 | Double | 11 | 11 | 11 | 11 | 11 | 75 00 |
| 11 | 11 | 11 | 11 | Triple | 11 | 11 | 11 | 11 | 11 | 90 00 |

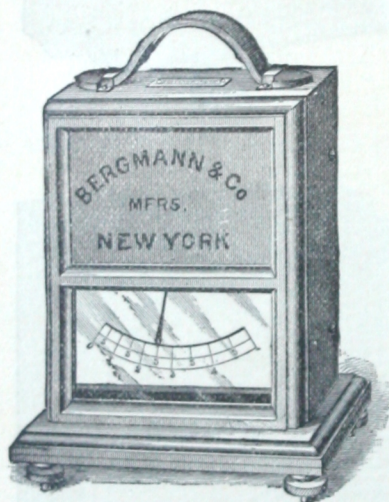
Dynamo Galvanometer--Portable Ampère Meter.



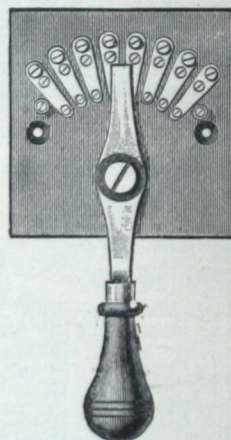
No. 1039

No. 1039—Dynamo Galvanometer for indicating when the Volts of Dynamos are equal to the Volts on the Bus.

Price, - - - \$12 00



No. 371.



No. 1037.

No. 1037—Switch for Dynamo Galvanometer,

Price, - - - \$4 75

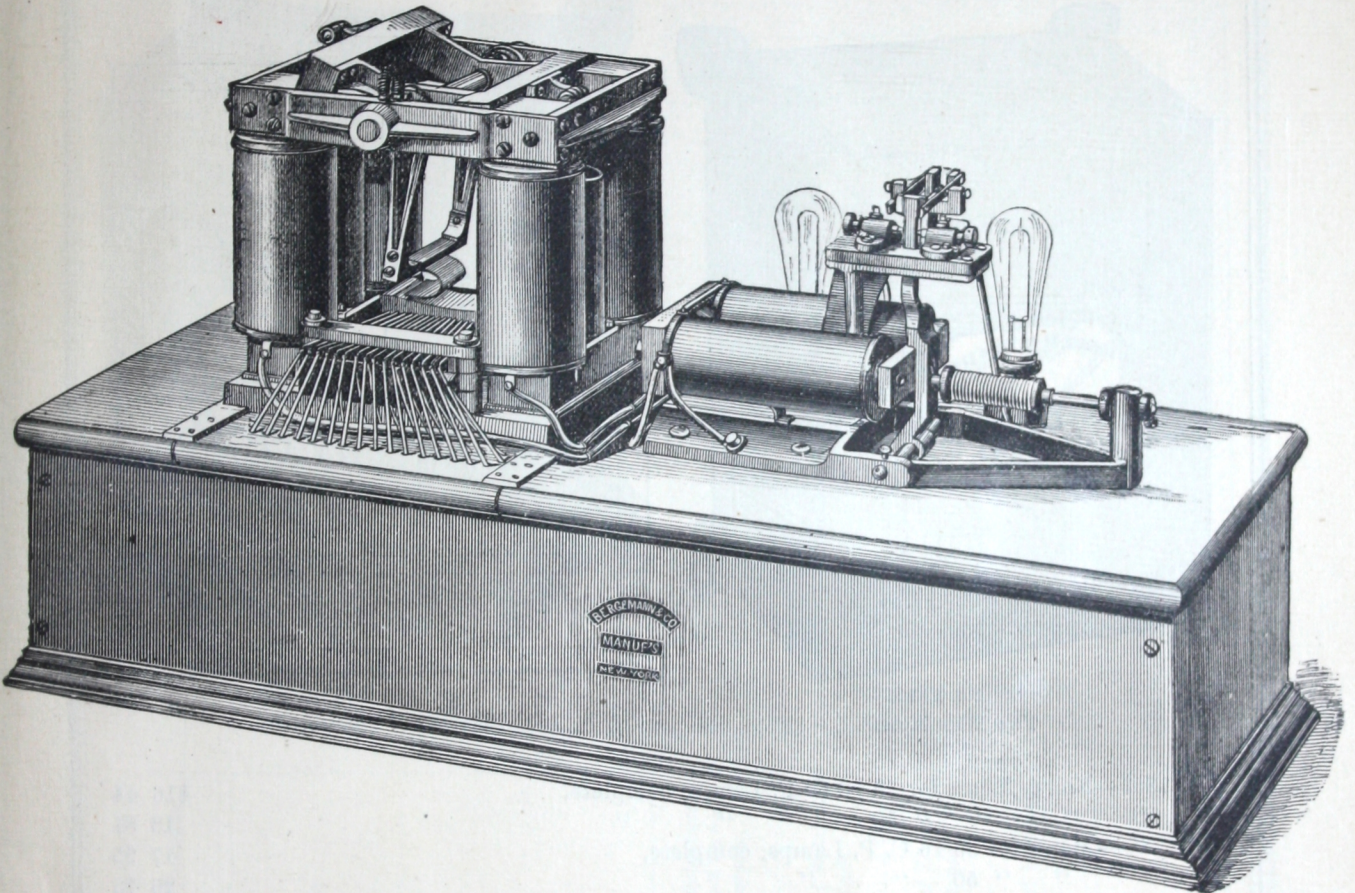
No. 371—Portable Ampère-Meter, compact, well made and finished in Mahogany. Provided with adjusting screws for leveling and stop for holding needle while carrying. We make this instrument in the following regular sizes:

| | reading from 0 Ampères to 1 Ampère, Price, | | | | | |
|----------------|--|-----|---|---|---|---------|
| "Single Coil" | " " $\frac{1}{10}$ " | 4 | " | " | - | \$40 00 |
| "Single Coil," | " " 1 " | 25 | " | " | - | 40 00 |
| "Single Coil," | " " 1 " | 25 | " | " | - | 45 00 |
| "Double Coil," | " " 1 " | 50 | " | " | - | 55 00 |
| | " " 1 " | 75 | " | " | - | 55 00 |
| "Four Coil," | " " 1 " | 150 | " | " | - | 80 00 |
| | " " 1 " | 300 | " | " | - | 80 00 |
| | | | | | - | 80 00 |

In the Double and Four Coil Instruments, a wide range of reading is obtained in one instrument of small dimensions by so arranging the coils that they can be switched in or out and by making the different scales correspond to one another.

We can furnish Portable Ampère Meters having any special range or reading to order.

Automatic Regulators.



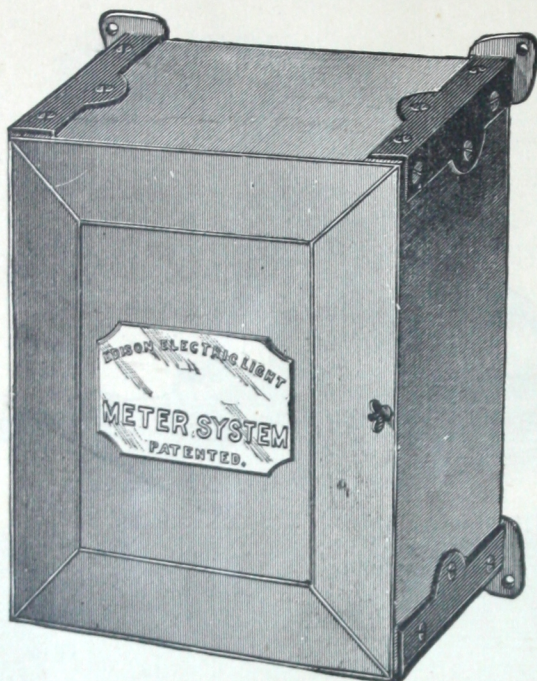
No. 1075—Automatic Regulator as shown.

“ 1575— “ “ with Extra Special Attachment for regulating against violent changes of Load, and with increased number of Blocks in Commutator.

| Prices. | No. 1075. | No. 1575. | Prices. | No. 1075. | No. 1575. |
|------------------------------|-----------|-----------|------------------------------|-----------|-----------|
| Size for 1 No. 1 Dynamo..... | \$257 50 | \$322 00 | Size for 1 No. 8 Dynamo..... | \$269 50 | \$334 50 |
| “ 2 “ 1 “ | | 338 00 | “ 2 “ 8 “ | | 365 50 |
| “ 1 “ 2 “ | 269 50 | 334 50 | “ 1 “ 10 “ | 269 50 | 334 50 |
| “ 2 “ 2 “ | | 365 50 | “ 2 “ 10 “ | | 365 50 |
| “ 1 “ 3 “ | 269 50 | 334 50 | “ 1 “ 12 “ | 280 00 | 345 00 |
| “ 2 “ 3 “ | | 365 50 | “ 2 “ 12 “ | | 390 00 |
| “ 1 “ 4 “ | 269 50 | 334 50 | “ 1 “ 16 “ | 280 00 | 345 00 |
| “ 2 “ 4 “ | | 365 50 | “ 2 “ 16 “ | | 390 00 |
| “ 1 “ 6 “ | 269 50 | 334 50 | “ 1 “ 20 “ | 292 00 | 357 00 |
| “ 2 “ 6 “ | | 365 50 | “ 2 “ 20 “ | | 420 00 |

No. 1075 is not adapted to run 2 Dynamos, and where an Automatic Regulator for 2 Dynamos is required, No. 1575 should be ordered.

Edison System Meters and Supplies.



No. 1355.

Two Wire Meters.

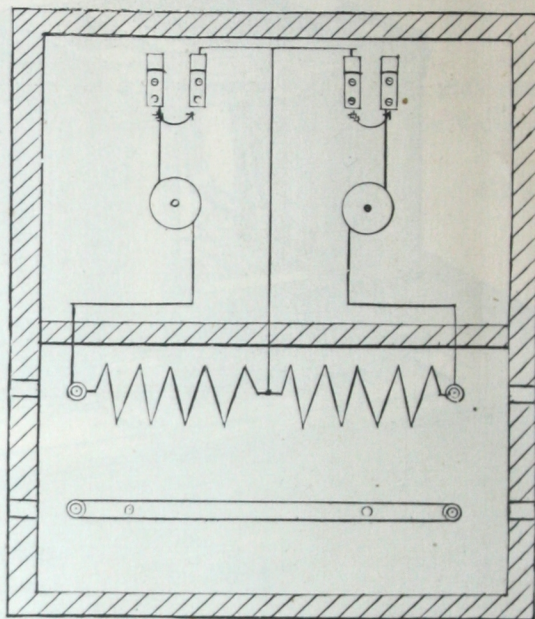


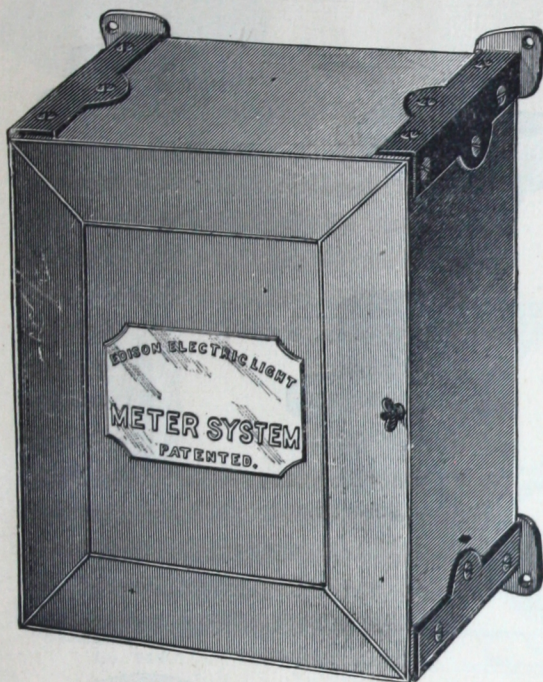
Diagram of Connections.

| | | | | | |
|--|---|---|---|---|---------|
| No. 1355—No. 0 Meter for 6 16 C. P. Lamps, complete, | - | - | - | - | \$16 44 |
| " " " 1/2 " " 12 " " " " | - | - | - | - | 16 81 |
| " " —Meter for 25 16 C. P. Lamps, complete, | - | - | - | - | 17 25 |
| " " " " 50 " " " " | - | - | - | - | 26 75 |
| " " " " 100 " " " " | - | - | - | - | 41 81 |

If Thermostats are not required, \$1 40 each less.

| | | | | | |
|--|---|---|---|---|--------|
| Bottles for 6 Light Meters, with Cover, Screw Ring and Gasket, each, | - | - | - | - | \$0 40 |
| " " 12 " " " " " " | - | - | - | - | 40 |
| " " 25 " " " " " " | - | - | - | - | 49 |
| " " 50 " " " " " " | - | - | - | - | 60 |
| " " 100 " " " " " " | - | - | - | - | 85 |
| Zincs " 6 " " Per Pair for each Bottle, | - | - | - | - | 14 |
| " " 12 " " " " " " | - | - | - | - | 15 |
| " " 25 " " " " " " | - | - | - | - | 20 |
| " " 50 " " " " " " | - | - | - | - | 28 |
| " " 100 " " " " " " | - | - | - | - | 48 |
| Rubbers " 6 " " Per Set " " " " | - | - | - | - | 17 |
| " " 12 " " " " " " | - | - | - | - | 29 |
| " " 25 " " " " " " | - | - | - | - | 32 |
| " " 50 " " " " " " | - | - | - | - | 32 |
| " " 100 " " " " " " | - | - | - | - | 32 |

Edison System Meters and Supplies.



No. 1353.

Three Wire Meters.

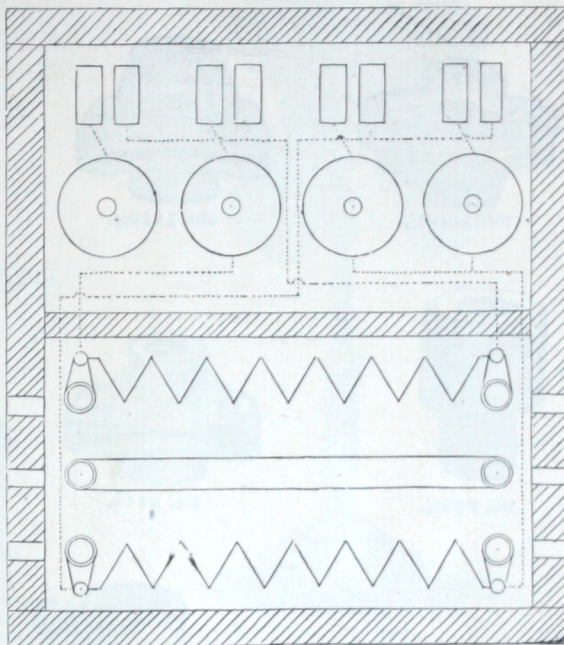


Diagram of Connections.

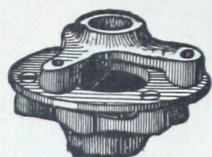
List Prices of Three-Wire Meters and Parts, Style 1353.

| Size of Numbers. | Capacity. | | Price of Meter complete, without Thermostats. | Price of Bottles, Each. | Price of Zincs, Each pair. | Price of Rubbers, Each set. | |
|------------------|------------|-----------------|---|-------------------------|----------------------------|-----------------------------|-------------------------------------|
| No. 1 | 12 Lights. | 6 on each side. | \$18 40 | \$0 40 | \$0 14 | \$0 17 | Thermostats \$1 40 each additional. |
| " 2 | 24 " | 12 " " | 19 60 | 40 | 15 | 29 | |
| " 4 | 50 " | 25 " " | 21 70 | 49 | 20 | 32 | |
| " 8 | 100 " | 50 " " | 30 75 | 60 | 28 | 32 | |
| " 16 | 200 " | 100 " " | 47 80 | 85 | 48 | 32 | |

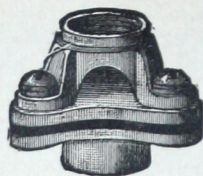
N. B.—Order Bottles, Zincs and Rubber Fixtures for Three-Wire Meters by the Size No. to avoid confusion, as these parts of Three-Wire Meters are different from the corresponding parts of Two-Wire Meters. The Bottles, Zincs, etc., for 12 Light Three-Wire Meters, for instance, being same as those for 6 Light Two-Wire Meters, etc., etc.

| | | | | | |
|---------------------|-----------|--|---|---|------|
| No. 1, Size of Box, | 13x12x5; | Size of Binding Post Holes, No. 8, E.W.G., Diameter, | - | - | .089 |
| " 2, " | 13x12x5; | " " " 15, " " | - | - | .122 |
| " 4, " | 15x13x5; | " " " 25, " " | - | - | .158 |
| " 8, " | 18x15x5½; | " " " 45, " " | - | - | .212 |
| " 16, " | 23x16x6½; | " " " 80, " " | - | - | .283 |

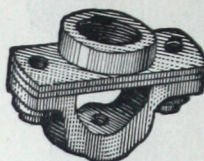
Patented Insulating Joints.



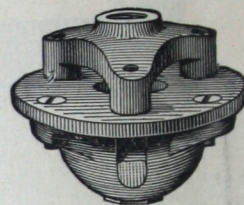
No. 1115 1/2.



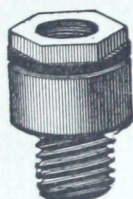
No. 1110 1/2.



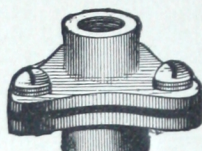
No. V 16.



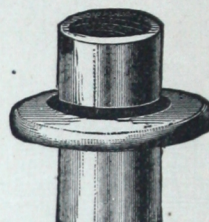
No. 1093.



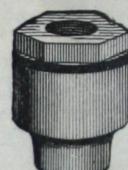
No. 229 1/2.



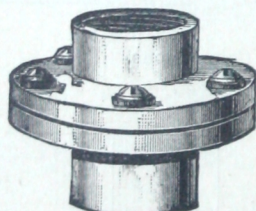
No. 1110.



No. 1099.



No. 229.



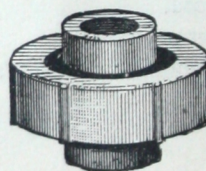
No. 1095.



No. 1097a.

" 1097b.

" 1097c.

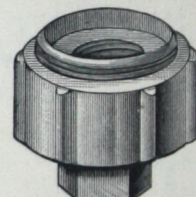


No. 1115a.

" 1115b.

" 1115c.

" 1115d



No. 1091.

Brass Insulating Joints for either Combination Fixtures or Fixtures for Electric Light only. In ordering, be careful to state whether for Combination or Electric Light only.

| | |
|--|--------|
| No. 1115a—Insulating Union. Smallest Size. Used in Sizes $\frac{3}{8} \times \frac{1}{4}$ or $\frac{3}{8} \times \frac{3}{8}$, | \$1 10 |
| " 1115b— " " Heavier than 1115a, Sizes, $\frac{1}{2} \times \frac{3}{8}$ or $\frac{1}{2} \times \frac{1}{2}$, | 1 40 |
| " 1115c— " " " " 1115b, " $\frac{1}{2} \times \frac{1}{2}$ or $\frac{3}{4} \times \frac{1}{2}$ or $\frac{3}{4} \times \frac{3}{4}$, | 1 65 |
| " 1115d— " " " " 1115c, " $\frac{3}{8} \times \frac{3}{4}$, $1'' \times \frac{3}{4}$, $1'' \times 1''$, $1\frac{1}{4} \times 1''$, | 2 25 |
| " 1097a— " Ball Joint. Smallest Size. Used in Sizes $\frac{3}{8} \times \frac{1}{4}$, $\frac{3}{8} \times \frac{3}{8}$, $\frac{1}{2} \times \frac{3}{8}$, or $\frac{1}{2} \times \frac{1}{2}$, each, | 2 30 |
| " 1097b— " Ball Joint. Heavier than 1097a, Sizes, $\frac{1}{2} \times \frac{1}{2}$, $\frac{1}{2} \times \frac{3}{4}$, $\frac{3}{4} \times \frac{1}{2}$, or $\frac{3}{4} \times \frac{3}{4}$, each, | 3 50 |
| " 1097c— " Ball Joint. Heavier than 1097b, Sizes, $1'' \times \frac{3}{4}$, $1'' \times 1''$ or $1'' \times 1\frac{1}{4}$, | 7 00 |
| " 1091a— " Stiff Joint, size $\frac{3}{8} \times \frac{1}{4}$ or $\frac{3}{8} \times \frac{3}{8}$, | 1 10 |
| " 1091b— " " " " $\frac{1}{2} \times \frac{3}{8}$ or $\frac{1}{2} \times \frac{1}{2}$, | 1 40 |
| " 1099— " Stiff Joint, Size, $\frac{3}{8} \times \frac{3}{8}$, | 40 |
| " 229— " " " " $\frac{3}{8} \times \frac{3}{8}$, 55 cents; $\frac{1}{2} \times \frac{3}{8}$ or $\frac{1}{2} \times \frac{1}{2}$, | 75 |
| " 229 1/2— " " " " $\frac{3}{8} \times \frac{3}{8}$, 55 " $\frac{1}{2} \times \frac{3}{8}$ or $\frac{1}{2} \times \frac{1}{2}$, | 75 |
| " 1110— " " " " Sizes up to $\frac{3}{8} \times \frac{3}{8}$, | 70 |
| " 1095— " " " " $\frac{1}{2} \times \frac{3}{8}$ or $\frac{1}{2} \times \frac{1}{2}$, | 1 25 |

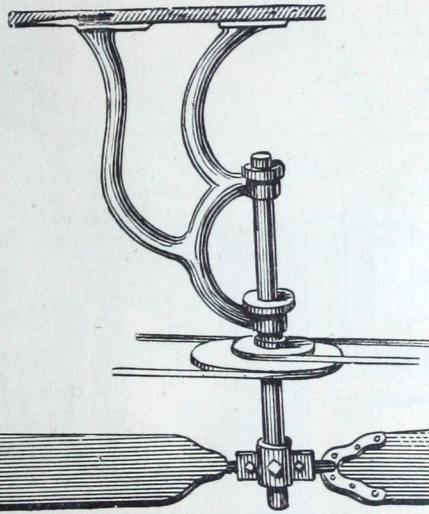
Insulating Joints for Fixtures for Electric Light only.

| | |
|---|----|
| No. 1110 1/2—Brass Insulating Stiff Joint, Sizes up to $\frac{3}{8} \times \frac{3}{8}$, | 70 |
| " V 16— " " " " " " $\frac{3}{8} \times \frac{3}{8}$, | 60 |
| " 1115 1/2—Iron " " " " " " $\frac{3}{8} \times \frac{3}{8}$, | 60 |
| " 1093— " Cup and Ball Insulating Joint, Sizes up to $\frac{3}{8} \times \frac{3}{8}$, | 70 |

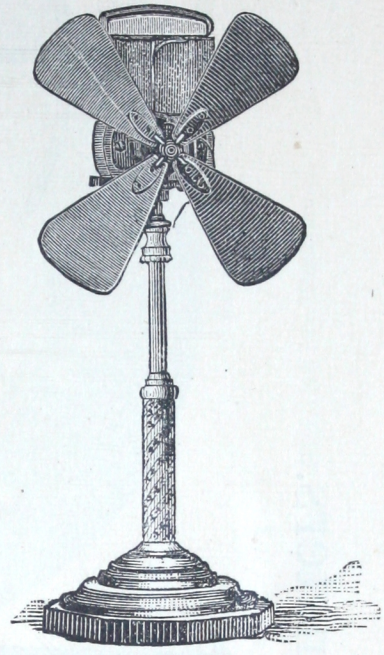
Electric Motors and Fans for Same.



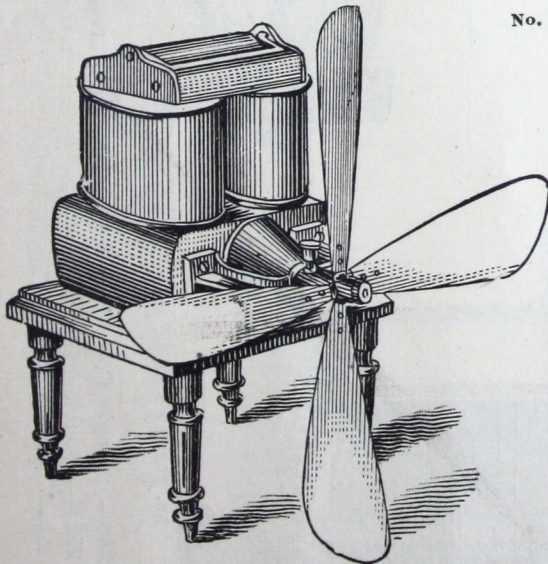
No. 219.



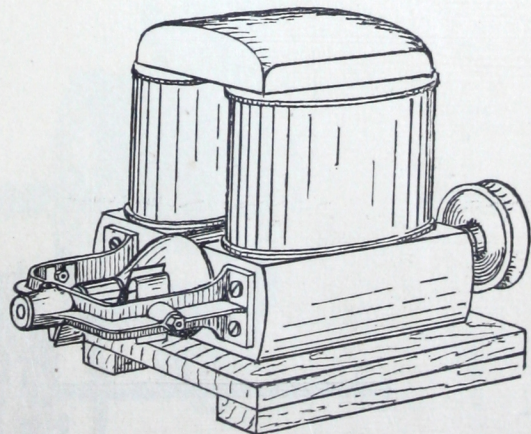
No. V 121.



No. 218.



No. V 120.

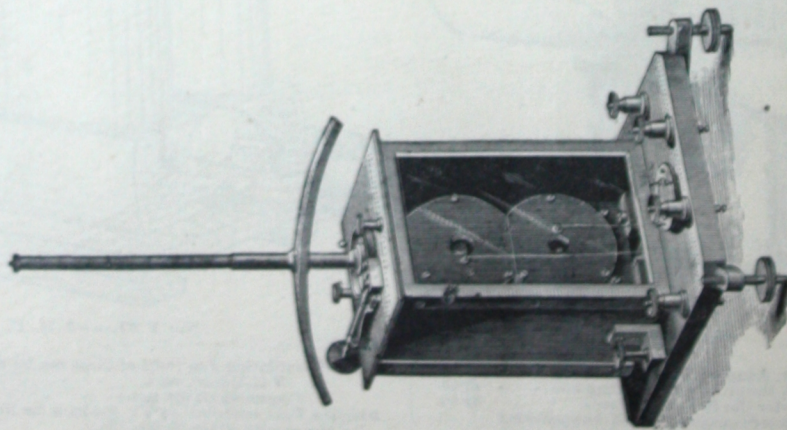


No. V 27. — 5 H. P.

V 27—1-5 H. P. Motor, Adapted to run Fans or any work, \$58 00
 V 120—1-10 H. P. Fan Motor, price, including Fan, - 45 00
 218—Portable Fan Motor (for 50 Volt Current), - 32 00
 219—Portable Fan Motor (same as No. 218, but provided
 with a resistance inside the stand so as to work
 on 100 Volt Current), - 37 00

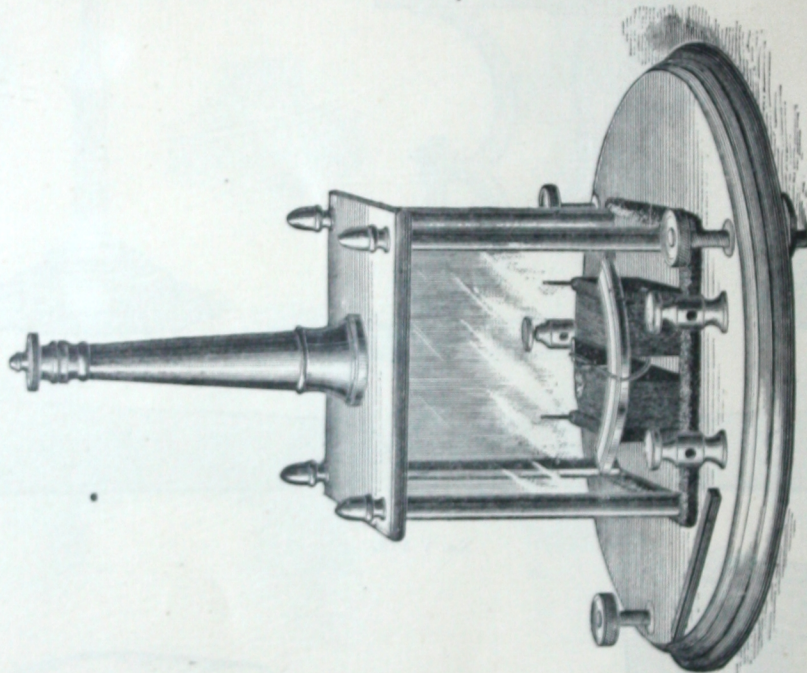
V 121—Ventilating Fan (four of these can be run with a
 V 27 Motor), each, - \$7 70
 Countershaft for same - 7 70
 4-Bladed Fans as shown on V { 9 1/2 inch for No. 219 - 2 00
 120 Motor with either Metal { 12 1/2 inch for V 120, - 2 50
 or Fibre Blades as desired. { 18 inch for V 27, - 3 50

Galvanometers.

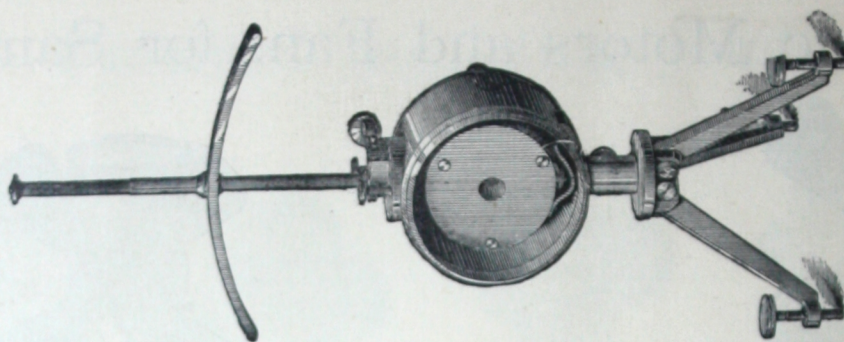


No. 250.

- No. 250— Single Coil Thompson Reflecting Galvanometer,
 " 252½— Double " "
 " 255— Square Astatic Galvanometer,



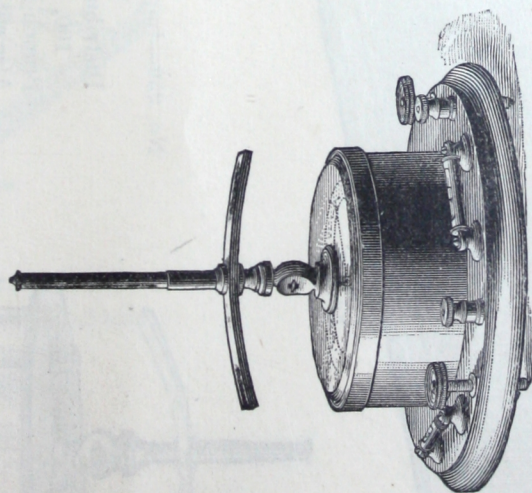
No. 255.



No. 250.

| Low Resistance. | | High Resistance. | |
|-----------------|----|------------------|----|
| \$130 | 00 | \$165 | 00 |
| 145 | 00 | 190 | 00 |
| 55 | 00 | 70 | 00 |

Astatic Galvanometer.

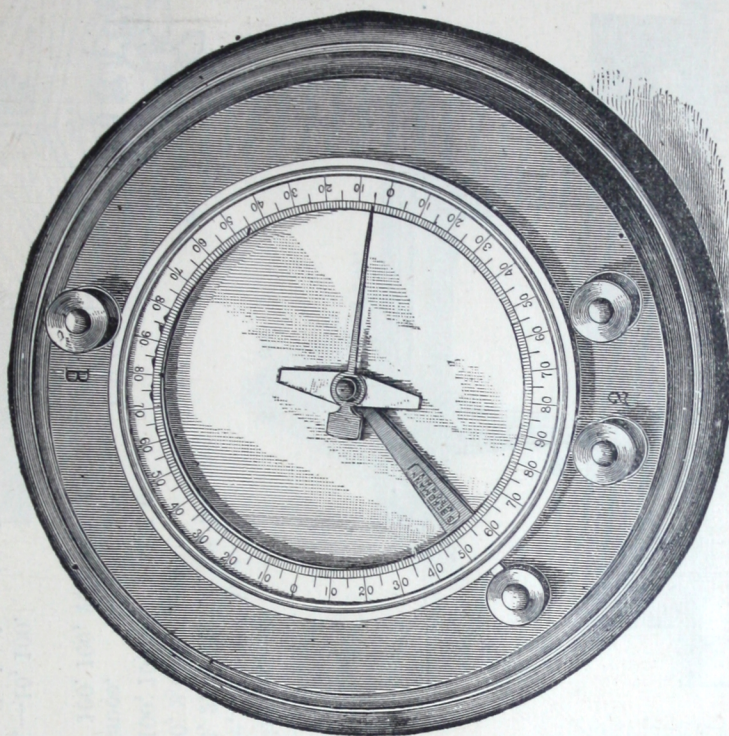


No. 872.

High Resistance,

\$90 00

HORIZONTAL Detecting Galvanometer.



No. 265.

Double Spool, High and Low Resistance,

\$23 00



No. V 91.



No. V 92.



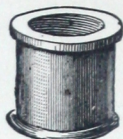
No. V 93.



No. V 94.



No. V 95.



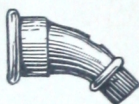
No. V 96.



No. V 97.



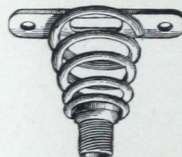
No. 597.



No. V 10



No. V 30.



No. 429.



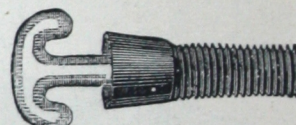
No. V 29.



No. 236.



No. 239.

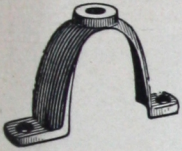


No. 237.

| | | | | | | |
|-----------|--|------------------------------------|---|--|------------------------------------|--------|
| No. V 96— | Plain Stiff Joint (in all sizes) of Iron, $\frac{3}{8} \times \frac{3}{8}$, | - | 10; | of Brass, $\frac{3}{8} \times \frac{3}{8}$ | - | \$0 23 |
| " V 91— | " Reduces (" ") " $\frac{3}{8} \times \frac{1}{4}$ or $\frac{1}{8}$, | 10; | " $\frac{3}{8} \times \frac{1}{4}$ or $\frac{1}{8}$, | | | 20 |
| " V 94— | " Nozzle (" ") of Brass, $\frac{3}{8} \times \frac{1}{4}$, | - | 18; | $\frac{3}{8} \times \frac{1}{8}$, | - | 15 |
| " V 10— | " Elbow Nozzle (in all sizes) of Brass, $\frac{3}{8} \times \frac{1}{8}$, | 18; | $\frac{1}{4} \times \frac{1}{8}$, | 15; | $\frac{1}{8} \times \frac{1}{8}$, | 12 |
| " V 93— | " { Shoulder } (" ") of Iron, Size $\frac{3}{8}$, length, up to 3 inches, | | | | | 09 |
| " V 29— | " Spring Nozzle (" ") of Brass, $\frac{3}{8} \times \frac{1}{8}$, | - | - | - | - | 26 |
| " V 92— | " Close Nipple (" ") of Iron, $\frac{3}{8}$ or $\frac{1}{4}$, | - | - | - | - | 10 |
| " V 95— | " Bushing (" ") of Brass, $\frac{3}{8} \times \frac{1}{8}$, 9; | $\frac{3}{8} \times \frac{1}{4}$, | - | - | - | 09 |
| " V 95— | Bushing furnished also in Hard Rubber, $\frac{3}{8} \times \frac{1}{4}$ or $\frac{1}{8}$, 09; | $\frac{1}{4} \times \frac{1}{8}$, | - | - | - | 08 |
| | Bushings of Hard Rubber for $\frac{1}{8}$ Sockets, for use with flexible cord, | | | | | 07 |
| | " Soft " " $\frac{1}{8}$ " " " " " | | | | | 02 |
| " V 30— | Hard Rubber Nozzle (in all sizes) $\frac{1}{8} \times \frac{1}{8}$, | - | - | - | - | 10 |
| " V 97— | Plain Gas Attachment. Price, without Socket, Plain, | 20; | Polished, | | | 23 |
| " 236— | Hard Rubber Insulating Single Hook, Extra Heavy, | - | - | - | - | 30 |
| " 237— | " " Double " " " " " | - | - | - | - | 21 |
| " 239— | Hard Rubber Window Tubes, | - | - | - | - | 11 |
| " 429— | Deck Spring of Brass, $\frac{1}{8}$, | - | - | - | - | 26 |
| " 597— | Improved Gas Attachment. Price, without Socket, Plain, | 22c; | Polished, | | | 25 |

Flanges Back Plates and Canopies.

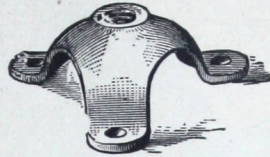
PATENTED.



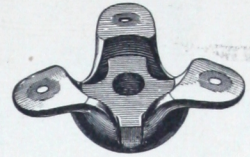
No. 227.



No. 226.



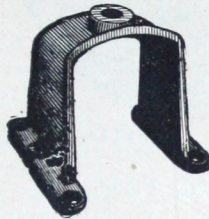
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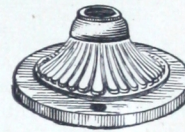
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No. 247.



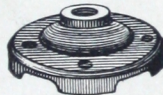
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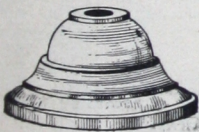
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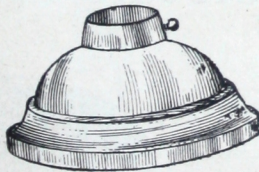
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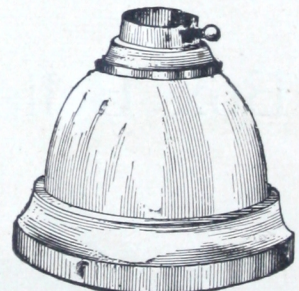
No. 248.



No. 223.



No. 222.

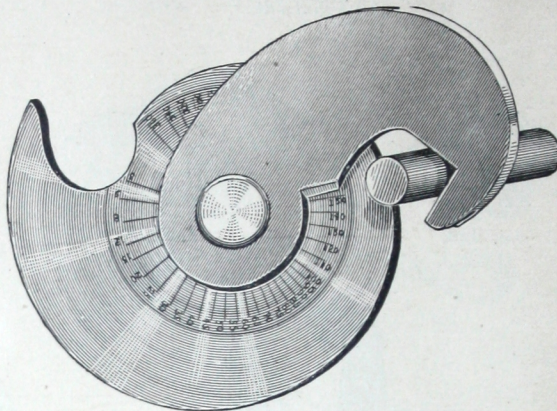


No. 221.

| | | | | | | | | |
|--|---|----------------------------------|-------|---------------------------|---|---|---|--------|
| Open Ceiling Wall or Flanges, | { | No. 228—Tapped any desired size. | Each, | Iron | - | - | - | \$0 15 |
| | | " 79— " " " | " | " | - | - | - | 08 1/2 |
| | | " 226— " " " | " | " | - | - | - | 07 1/2 |
| | | " 227— " " " | " | " | - | - | - | 07 1/2 |
| Cup and Ball Ceiling Flange. | { | " 1079— " " " | " | " | - | - | - | 18 |
| | | " 246— " " " | " | Brass ; Plain, 42 ; Pol., | | | | 50 |
| | | " 247— " " " | " | " " 30 ; " " | | | | 35 |
| | | " 248— " " " | " | Iron ; " 7 1/2, Bzd., | | | | 14 |
| Brass Spun Sliding Canopies or Back Plates. | { | " 221—Diameter, 4 3/4 inch. | Each, | Plain, 65 ; Pol., | - | - | - | 75 |
| | | " 222— " 4 1/2 " " | " | " 42 ; " " | - | - | - | 50 |
| | | " 223— " 3 1/4 " " | " | " 28 ; " " | - | - | - | 35 |
| | | " 224— " 3 1/8 " " | " | " 35 ; " " | - | - | - | 42 |

Split Canopies or Back Plates, twice the Price of Whole Canopies or Back Plates.

Standard Edison Wire Guage.

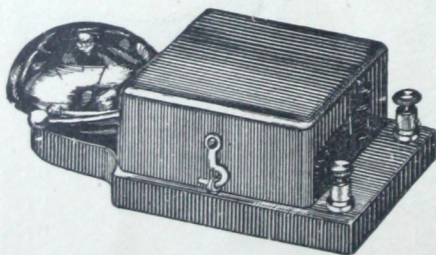


No. 1111.

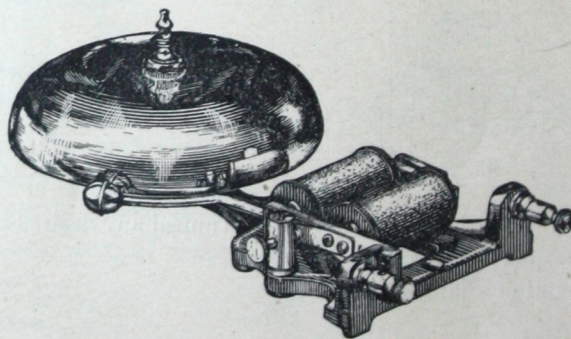
No. 1111—Wire Guage, Edison Standard, Price, - - - - - \$20 00

N.B.—This Guage is made of hardened steel and is of the finest workmanship, equal to the same style of work done by Brown & Sharpe.

Box Bells, Skeleton Bells, Etc., Etc.



No. 980.



No. 985.

| | | | | | |
|---|---|---|---|---|--------|
| No. 980—Box Bell, with 3 inch Gong, Polished Brass, | - | - | - | - | \$2 10 |
| “ “ “ Nickel-plated. | - | - | - | - | 2 40 |
| “ 985—Iron Frame, Skeleton Bell, with 4 inch Gong, Polished Brass, | - | - | - | - | 6 50 |
| “ “ “ 4 “ “ Nickel-plated, | - | - | - | - | 7 35 |
| “ “ “ 6 “ “ Polished Brass, | - | - | - | - | 9 00 |
| “ “ “ 6 “ “ Nickel-Plated, | - | - | - | - | 10 00 |
| “ “ “ 8 “ “ Polished Brass, | - | - | - | - | 12 25 |
| “ “ “ 8 “ “ Nickel-plated, | - | - | - | - | 13 40 |
| Testing Battery, in Portable Black Walnut Box, containing two Telephone Batteries and one Box Bell, | - | - | - | - | 9 00 |



No. 995



No. 286.



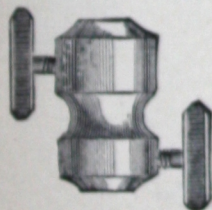
No. 288.



No. 289.



No. 287.



No. 284.



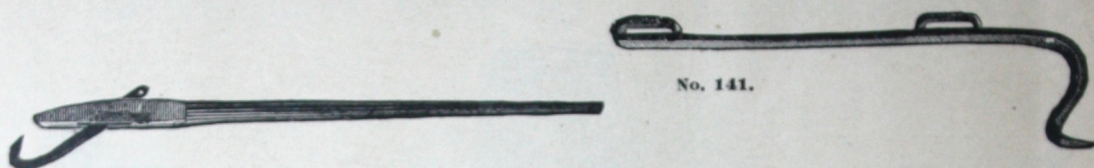
No. 282.



No. 283.

| | | | | | |
|--|---|---|---|---|--------|
| No. 995—Horizontal Detecting Galvanometer, with key, - | - | - | - | - | \$8 00 |
| " 286—Switch on Hard Rubber Base, Single Point, - | - | - | - | - | 1 40 |
| " 288— " Wood " " - | - | - | - | - | 90 |
| " 289—Push Button, Walnut, - | - | - | - | - | 35 |
| " 287—Pole Changing Switch on Hard Rubber Base, - | - | - | - | - | 3 40 |
| " 284—Double Connector. Finished \$0 27. Plain, - | - | - | - | - | 22 |
| " 282—Wood Screw Binding Post, - | - | - | - | - | 24 |
| " 283—Electric Light Wire Connector from \$0 18 for No. 16 up. | - | - | - | - | |

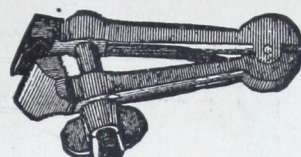
In ordering Connectors, state size of Wire.



| | | | | | | | | |
|---------|---------------------------------------|---|---|---|---|---|---|--------|
| No. 141 | { Climbers, per pair, without straps, | - | - | - | - | - | - | \$4 00 |
| | { Climber Straps, per set, | - | - | - | - | - | - | 2 00 |
| " 142 | —Cant Hook, | - | - | - | - | - | - | 3 75 |
| " 143 | —Digging Bars, Cast Steel, Per lb, | - | - | - | - | - | - | 17 |
| " 147 | —Crow Bars, | " | " | - | - | - | - | 17 |
| " 144 | —Tamping Bars, | " | " | - | - | - | - | 17 |
| " 148 | —Raising Fork, with 8 ft. pole, | - | - | - | - | - | - | 4 00 |
| " 149 | —Pike Pole, 10 ft., \$2 50; 15 ft., | - | - | - | - | - | - | 3 50 |



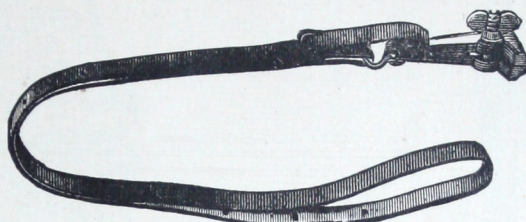
No. 131.



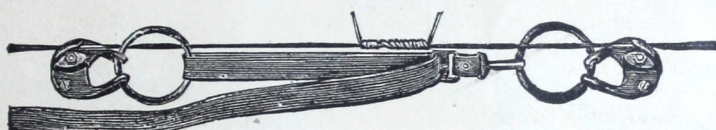
No. 132.



No. 133.



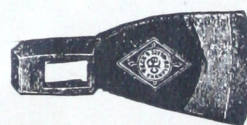
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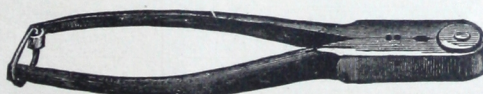
No. 137.



No. 138.



No. 139.

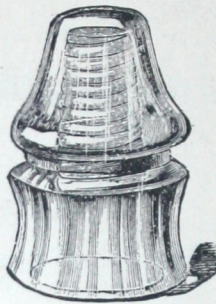


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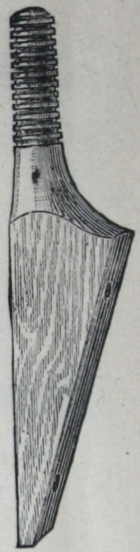
| | | | | | | | |
|--|---|---|---|---|---|---|--------------|
| No. 131—Climbers, without Straps, per pair, | - | - | - | - | - | - | \$4 00 |
| Climber Straps, per set, | - | - | - | - | - | - | 2 00 |
| “ 132—Stubbs Vises, 5½ inch, \$4 00; 6 inch, | - | - | - | - | - | - | 5 00 |
| Straps for same, | - | - | - | - | - | - | 1 65 |
| “ 133—Eccentric Clamp, with Strap, | - | - | - | - | - | - | 3 00 |
| “ “ without Strap, | - | - | - | - | - | - | 2 00 |
| “ 137—Come-along Wire Stretcher. Each, \$1 50. Straps, | - | - | - | - | - | - | 1 50 |
| “ 136—Hand Vise, with Loop for Strap, | - | - | - | - | - | - | 2 00 to 4 00 |
| Strap for same, additional, | - | - | - | - | - | - | 1 65 |
| “ 138—Axes, with Handles, | - | - | - | - | - | - | 2 00 |
| “ 129—Splicing Clamps, Cast Steel, | - | - | - | - | - | - | 2 20 |
| “ 139—Telegraph Adze, \$4 00. Handles, | - | - | - | - | - | - | 50 |



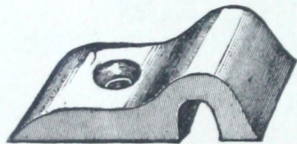
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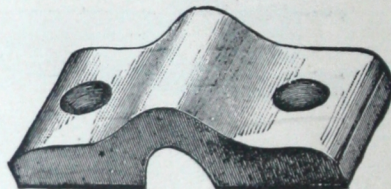
No. 294.



No. 293.



No. 291.



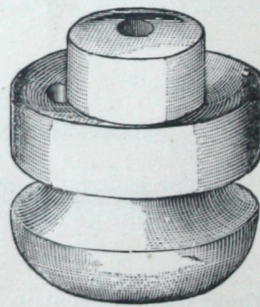
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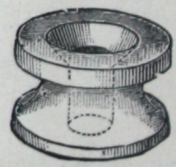
No. 298.



No. 296.



No. 496.



No. 299.

| | | | | | |
|---|--------------------------|---|---|---|---------|
| No. 294—Glass Pole Line Insulators. | Each, 8c.; per thousand, | - | - | - | \$70 00 |
| " 293—Insulator Brackets, not painted, | per thousand, | - | - | - | 30 00 |
| " 297— " Pins, | " " " " " " | - | - | - | 30 00 |
| " 291—Porcelain Cleats, single, without screws, | per doz., | - | - | - | 36 |
| " 292— " Cleats, | " " " " " " | - | - | - | 48 |
| " 298— " Office Wire Knobs, $\frac{3}{4}$ inch, without screws, | per doz., | - | - | - | 36 |
| " 296— " Insulator, $1 \times 1\frac{1}{2}$ inch, | per thousand, | - | - | - | 22 00 |
| " 299— " Knob, wide flange, $\frac{7}{8}$ inch diameter, without screws, | per doz., | - | - | - | 36 |
| " 496—Glass Insulator, specially designed for very moist or damp places, such as breweries, dye-houses and the like, as it catches the "drip" and carries it off before it can come in contact with the wires. Size, $1\frac{1}{2} \times 1\frac{1}{2}$ inch. | Price per thousand, | - | - | - | 50 00 |



No. 177.



No. 178.

No. 177.

| | |
|--|---------|
| Double Flexible Electric Light Conductor, Cotton-covered, No. 22 B. & S. Gauge, per ft., | \$0 03½ |
| " " " " " " " " 20 " " " | 04½ |
| " " " " " " " " 18 " " " | 06 |
| " " " " " " " " 16 " " " | 10 |
| " " " " " " " " 22 " " " | 06 |
| " " " " " " " " 20 " " " | 07½ |
| " " " " " " " " 18 " " " | 09½ |
| " " " " " " " " 16 " " " | 14 |

No. 178.

| | |
|--|---------|
| Single Electric Light Fixture Wire, No. 14, B. W. Gauge, per foot, | \$0 03¼ |
| 16, " " " " " " " " | 02½ |
| 19, " " " " " " " " | 01¾ |

Fire-Proof Electric Light Line Wire.

| | |
|--|--------|
| To No. 12, B & S. Gauge, inclusive, per lb., | \$0 46 |
| No. 13 to No. 18, B. & S. Gauge, inclusive, per lb., | 53 |
| "Duplex" Wire, for Electric Lighting, per lb., | 92 |

Office Wire.

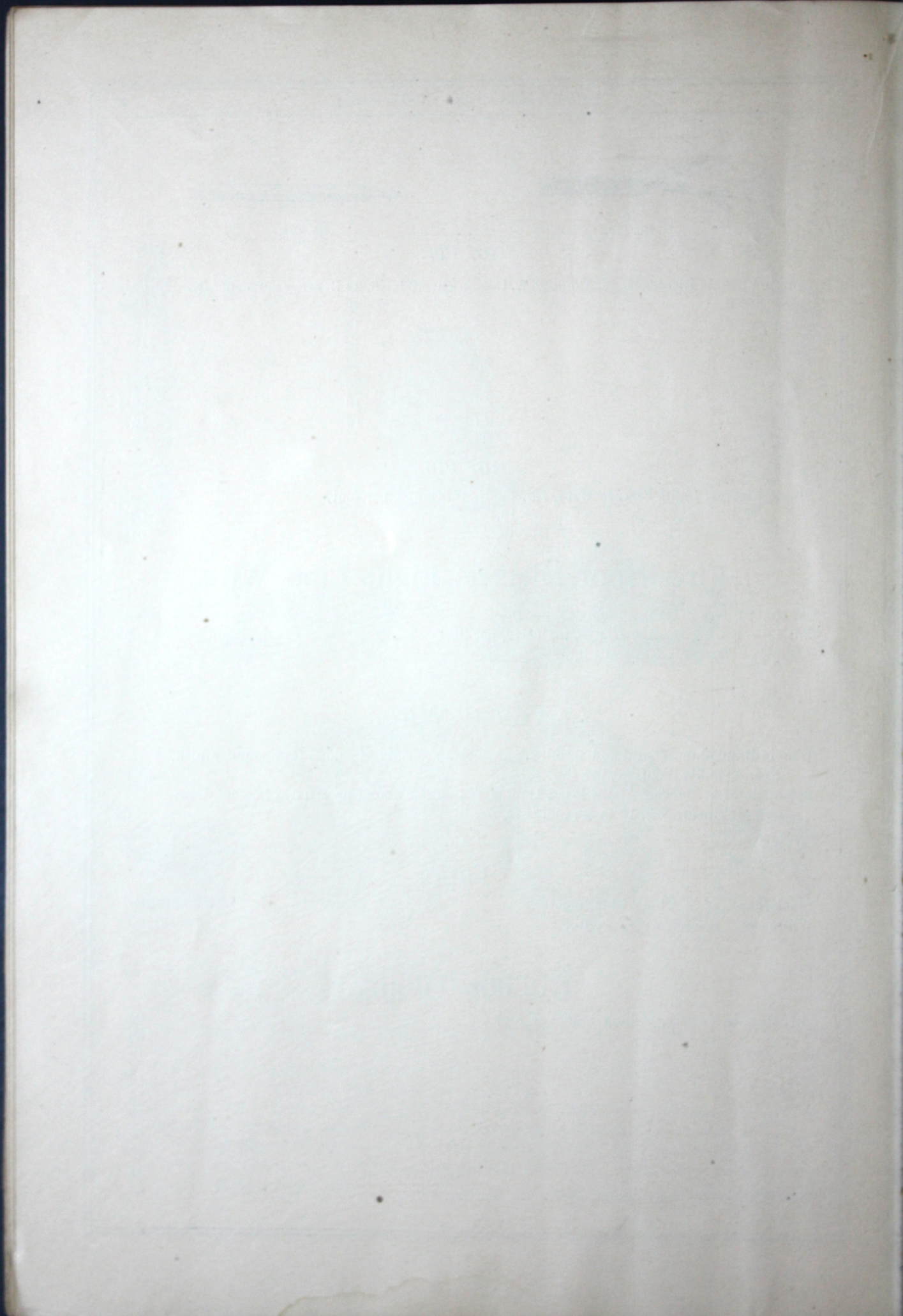
| | |
|--|--------|
| Double Braided or Wound and Braided, any color or variety of colors, Compound Finish, | |
| Nos. 12 to 20, inclusive, per lb., | \$0 64 |
| Annunciator or Burglar Alarm Wire, Double Wound, any color or variety of colors, Compound Finish, Nos. 12 to 20, inclusive, per lb., | 64 |

Tape.

| | |
|--|--------|
| Black Tape, ¾ or 1 inch wide, per lb., | \$0 80 |
| White " ¾ inch wide, per lb., | 1 20 |

Rubber Tubing.

| | |
|---|------|
| Soft Rubber Tubing, ⅛ inch hole, per foot, | 06 |
| " " 3/16 " " " " " " | 09 |
| " " ¼ " " " " " " | 12 |
| " " 5/16 " " " " " " | 13½ |
| " " 3/8 " " " " " " | 15 |
| " " ½ " " " " " " | 19 |
| " " 5/8 " " " " " " | 22½ |
| " " ¾ " " " " " " | 26 |
| " " 1 " " " " " " | 34 |
| Hard Rubber Tubing, regular stock sizes, per lb., | 1 80 |



INDEX.

| No. | Page. | No. | Page. | No. | Page. | No. | Page. | No. | Page. | No. | Page. | No. | Page. | No. | Page. |
|-----------------|-------|-------------------|-------|-------------------|-------|-----|-------|------|-------|------|-------|--------------------|-------|------|-------|
| 1 | 2 | V 111 | 13 | 178 | 39 | 255 | 28 | 442a | 18 | 708 | 15 | 1110 $\frac{1}{2}$ | 26 | 1729 | 10 |
| 2 | 2 | 113 | 18 | 181 | 4 | 256 | 30 | 442b | 18 | 751 | 15 | 1111 | 34 | 1731 | 11 |
| 3 | 2 | 113 $\frac{1}{2}$ | 18 | 183 | 31 | 257 | 30 | 453 | 7 | 764 | 12 | 1115 | 26 | 1733 | 6 |
| 3 $\frac{1}{2}$ | 2 | 118 | 16 | 189 | 31 | 265 | 29 | 466 | 21 | 788 | 12 | 1115 $\frac{1}{2}$ | 26 | 1735 | 11 |
| 6 | 2 | 119 | 16 | 206 | 8 | 282 | 35 | 467 | 21 | 789 | 12 | 1116 | 7 | 1737 | 11 |
| 7 | 2 | V 120 | 27 | 206 $\frac{1}{2}$ | 8 | 283 | 35 | 494 | 7 | 812 | 15 | 1117 | 7 | 1835 | 5 |
| 8 | 2 | 121 | 10 | 209 | 8 | 284 | 35 | 496 | 38 | 813 | 15 | 1119 | 7 | 1935 | 4 |
| V 10 | 32 | V 121 | 27 | 213 | 8 | 286 | 35 | 497 | 6 | 814 | 15 | 1121 | 7 | 2135 | 4 |
| V 12 | 31 | 122a | 19 | 218 | 27 | 237 | 35 | 498 | 7 | 815 | 15 | 1123 | 7 | 2165 | 4 |
| V 16 | 26 | 122b | 19 | 219 | 27 | 288 | 35 | 503 | 8 | 817 | 15 | 1235 | 5 | 2199 | 4 |
| V 17 | 12 | 122c | 19 | 221 | 33 | 259 | 35 | 508 | 21 | 818 | 15 | 1265 | 5 | 2235 | 5 |
| V 18 | 31 | 126 | 3 | 222 | 33 | 291 | 38 | 509 | 8 | 819 | 15 | 1299 | 5 | 2569 | 4 |
| V 27 | 27 | 127 | 3 | 223 | 33 | 292 | 38 | 511 | 8 | 857 | 13 | 1327 | 3 | 2587 | 4 |
| V 29 | 32 | 128 | 19 | 224 | 33 | 293 | 38 | 512 | 8 | 858 | 13 | 1355 | 24 | 2835 | 5 |
| V 30 | 32 | 129 | 37 | 226 | 33 | 294 | 38 | 513 | 8 | 859 | 13 | 1353 | 25 | 2935 | 4 |
| V 64 | 12 | 131 | 37 | 227 | 33 | 296 | 38 | 514 | 8 | 871 | 7 | 1365 | 6 | 2945 | 4 |
| V 65 | 10 | 132 | 37 | 228 | 33 | 297 | 38 | 516 | 8 | 872 | 29 | 1435 | 5 | 2965 | 4 |
| V 68 | 3 | 133 | 37 | 229 | 26 | 298 | 38 | 597 | 32 | 980 | 34 | 1465 | 5 | 3935 | 4 |
| V 69 | 3 | 136 | 37 | 229 $\frac{1}{2}$ | 26 | 299 | 38 | 599 | 7 | 985 | 34 | 1487 | 5 | | |
| V 72 | 31 | 137 | 37 | 231 | 3 | 367 | 2 | 602 | 14 | 995 | 35 | 1535 | 6 | | |
| 79 | 33 | 138 | 37 | 232 | 3 | 369 | 2 | 603 | 14 | 1019 | 17 | 1565 | 6 | | |
| V 89 | 12 | 139 | 37 | 233 | 2 | 371 | 22 | 604 | 14 | 1025 | 30 | 1563 | 6 | | |
| V 91 | 32 | 141 | 36 | 234 | 2 | 377 | 21 | 606 | 14 | 1027 | 11 | 1575 | 23 | | |
| V 92 | 32 | 142 | 36 | 236 | 32 | 397 | 6 | 607 | 14 | 1029 | 31 | 1587 | 6 | | |
| V 93 | 32 | 143 | 36 | 237 | 32 | 399 | 7 | 608 | 14 | 1031 | 17 | 1701 | 13 | | |
| V 94 | 32 | 144 | 36 | 239 | 32 | 421 | 10 | 621 | 14 | 1033 | 13 | 1703 | 13 | | |
| V 95 | 32 | 147 | 36 | 241 | 7 | 422 | 10 | 631 | 14 | 1037 | 22 | 1705 | 13 | | |
| V 96 | 32 | 148 | 36 | 242 | 7 | 423 | 9 | 632 | 14 | 1039 | 22 | 1707 | 13 | | |
| V 97 | 32 | 149 | 36 | 244 | 7 | 424 | 9 | 642 | 14 | 1075 | 23 | 1709 | 13 | | |
| 100 | 17 | 150 | 6 | 246 | 33 | 426 | 3 | 643 | 14 | 1079 | 33 | 1711 | 13 | | |
| 107 | 30 | 150 $\frac{1}{2}$ | 6 | 247 | 33 | 427 | 9 | 651 | 14 | 1091 | 26 | 1713 | 13 | | |
| V 108 | 13 | 150 $\frac{1}{2}$ | 6 | 248 | 33 | 428 | 9 | 667 | 2 | 1093 | 26 | 1715 | 12 | | |
| V 109 | 13 | 152 | 31 | 250 | 28 | 429 | 32 | 668 | 2 | 1095 | 26 | 1717 | 11 | | |
| V 110 | 13 | 177 | 39 | 252 | 7 | 431 | 10 | 702 | 15 | 1097 | 26 | 1721 | 12 | | |
| | | | | 252 $\frac{1}{2}$ | 28 | 432 | 3 | 703 | 15 | 1099 | 26 | 1723 | 5 | | |
| | | | | 253 | 7 | 441 | 18 | 704 | 15 | 1101 | 17 | 1725 | 5 | | |
| | | | | | | | | 706 | 15 | 1110 | 26 | | | | |
| | | | | | | | | 707 | 15 | | | | | | |

